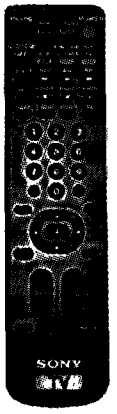
SERVICE MANUAL AA-2D CHASSIS

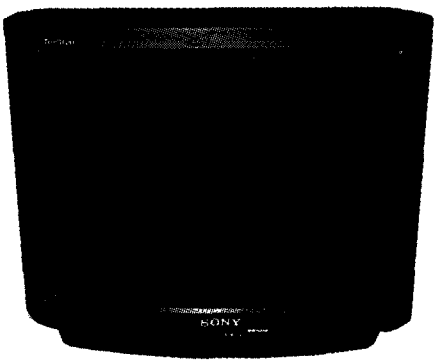
MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-27V26	RM-Y137A	US	SCC-K96L-A
KV-27V36	RM-Y137A	US	SCC-K96N-A
KV-27V36	RM-Y137A	CND	SCC-K97K-A
KV-29V22M	RM-Y135A	E	SCC-K98F-A
KV-29V36C	RM-Y137A	E	SCC-K98K-A
KV-29V66M	RM-Y137A	E	SCC-K98G-A
KV-29V76M	RM-Y137A	E	SCC-K98L-A

Note: Adjustment Manual for this model is published separately

	Adjustment Manual
Part No.	9-965-829-01



RM-Y137A



KV-27V36

MICROFILM

996583201

TRINITRON® COLOR TV

SONY®

SPECIFICATIONS

For all models:

Television system	American TV standard
Channel coverage	VHF : 2-13 UHF : 14-69 CATV : 1-125
Antenna	75-ohm external antenna terminal for VHF / UHF
Picture tube	Hi-Black Trinitron® tube

For specific models:

	KV-27V26	KV-27V36	KV-29V22M	KV-29V36C	KV-29V66M	KV-29V76M
Screen Size (measured diagonally)	27 inch	27 inch	27 inch	27 inch	27 inch	27 inch
Power requirements	120V, 60Hz	120V, 60Hz	120V, 60Hz	220V, 50/60Hz	120V, 60Hz	120V, 60Hz
Number of inputs/outputs						
Video (1)	3	3	2	3	3	3
S video (2)	1	1	1	1	1	1
Audio (3)	3	3	2	3	3	3
Audio out (4)	1	1	1	1	1	1
Monitor out (1)	1	1	1	1	1	1
TV out (1)	-	1	-	1	-	1
S-Link	•	•	-	•	•	•
Speaker output (W)	5W x 2	10W x 2	5W x 2	10W x 2	5W x 2	10W x 2
Power consumption (W) **When in use (Max.)** **In Standby**	180W 9W	195W 13W	180W 9W	195W 13W	180W 9W	195W 13W
Dimensions (W/H/D) **(mm)**	690 x 575.4 x503.4mm	690 x 575.4 x503.4mm	690 x 575.4 x503.4 mm	690 x 575.4 x503.4 mm	690 x 575.4 x503.4 mm	690 x 575.4 x503.4 mm
(in.)	$27^{1/4}$ x $22^{3/4}$ x$19^{7/8}$ in.	$27^{1/4}$ x $22^{3/4}$ x$19^{7/8}$ in.	$27^{1/4}$ x $22^{3/4}$ x$19^{7/8}$ in.	$27^{1/4}$ x $22^{3/4}$ x$19^{7/8}$ in	$27^{1/4}$ x $22^{3/4}$ x$19^{7/8}$ in	$27^{1/4}$ x $22^{3/4}$ x$19^{7/8}$ in
Mass (kg) **(lb)**	43 kg 94 lbs 13oz	43 kg 94 lbs 13oz	43 kg 94 lbs 13oz	43 kg 94 lbs 13oz	43 kg 94 lbs 13oz	43 kg 94 lbs 13oz
Supplied accessories Remote commander (w/ 2 size AA (R6) batteries)	RM-Y137A	RM-Y137A	RM-Y135A	RM-Y137A	RM-Y137A	RM-Y137A

(1) 1 Vp-p, 75 ohms unbalanced, sync negative
(2) Y: 1 Vp-p, 75 ohms unbalanced, sync negative C: 0.286 Vp-p (Burst signal), 75 ohms
(3) 500 mVrms (100% modulation); Impedance: 47 kilohms
(4) More than 408 mVrms at the maximum volume setting (variable)
More than 408mVrms (fix); Impedance: 5 kilohms

*** Design and specifications are subject to change without notice.*

Optional accessories
Connecting cables VMC-810S/820S, VMC-720M, YC-15V/30V, RK-74A
TV Stand SU-27A
U/V mixer EAC-66

(●)® SRS (SOUND RETRIEVAL SYSTEM)

The (●) SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669. Other U.S. and foreign patents pending.

The word "SRS" and the SRS symbol (●) are registered trademarks of SRS Labs, Inc.

SAFETY CHECK-OUT
(US Model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC Leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampere). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63Trd are examples of passive VOMs that are suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

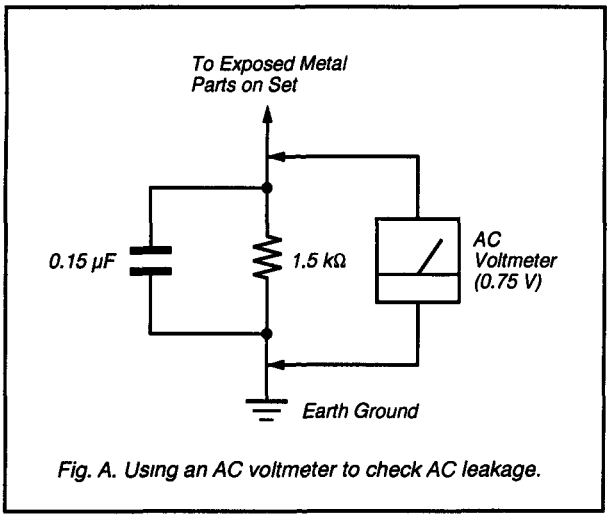


Fig. A. Using an AC voltmeter to check AC leakage.

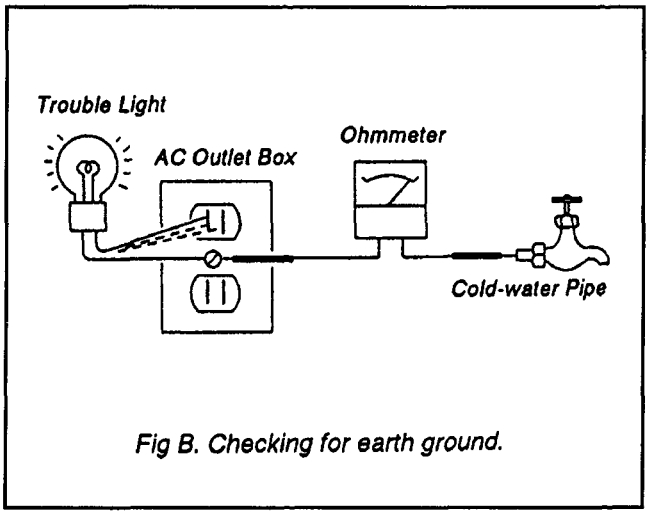


Fig B. Checking for earth ground.

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CAUTION!

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

ATTENTION!!

AFIN D'EVITER TOUT RESQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE ⚠ SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNEIMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY. LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONTIONNEMENT SUSPECTE.

The instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers shown reflect those of the Operating Instruction Manual.

SECTION 1 GENERAL

Welcome!

Thank you for purchasing the Sony Trinitron® Color TV. This manual is written for the models listed below. Before reading, check the model number on the rear of your TV.

Model KV-27S26 is used for illustration purposes. The screens displayed are for model KV-35V36. Differences in operation features are indicated in the text, for example, "KV-27S26 only."

Model Number	Single tuner (PCR required for PIP)	Dual tuner (Ready to use* PIP)	Light Sensor/ECS	Tilt correction	Channel Fix	Remote Channel Preview
KV-27S26	•				•	
KV-27S36		•		•	•	☆
KV-27V26	•				•	
KV-27V36		•		•	•	☆
KV-29R526	•				•	
KV-29R526C		•		•	•	☆
KV-29V36C		•	•	•	•	☆
KV-29V526	•				•	
KV-29V76M		•	•	•	•	☆
KV-32S26	•				•	
KV-32S36		•		•	•	☆
KV-32TW26	•				•	
KV-32V26	•				•	
KV-32V36		•		•	•	☆
KV-34R526C		•		•	•	☆
KV-34V36C		•	•	•	•	☆
KV-35S26	•				•	
KV-35S36		•		•	•	☆
KV-35V36		•	•	•	•	☆
KV-35V76		•	•	•	•	☆
KV-37R526	•				•	
KV-37V36M		•	•	•	•	☆

Precautions

Safety

- Operate the TV only on 120 V AC (except KV-29RS26C, 29V36C, 34RS26C, 34V36C)
- Operate the TV only on 220 V AC (KV-29RS26C, 29V36C, 34RS26C, 34V36C only)
- The plug is designed, for safety purposes, to fit in the wall outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer (except KV-29RS26C, 29V36C, 34RS26C, 34V36C)
- If any liquid or solid object should fall inside the cabinet, unplug the TV immediately and have it checked by qualified personnel before operating it further
- If you will not be using the TV for several days, disconnect power by pulling the plug itself. Never pull on the cord.

For details concerning safety precautions, see the supplied leaflet "IMPORTANT SAFEGUARDS"

Installing

- To prevent internal heat build-up, do not block the ventilation openings.
- Do not install the TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.

Using This Manual

This manual is divided into four major sections. We recommend that you carefully review the contents of each section in the order provided to ensure that you fully understand the operation of your new TV.

1 **Connecting and Installing the TV**
This section will guide you through your initial set up. It will show you how to connect your new components, connect to your antenna or cable, and connect any accessories.

2 **Basic Set Up.**
This section will teach you the basic skills needed to operate your new TV. It will show you how to operate special functions of the remote control.

3 **Using your New TV.**
This section will show you how to begin using your new TV. It will show you how to use the AUTO SET UP feature, and how to use your remote control's features.

4 **Adjusting your Set Up (menus)**
This section will teach you how to access on-screen menus and adjust your TV's settings.

Instructions in this manual are written for the remote control. Similar controls may be found on the TV console.

Connecting and Installing the TV

Connector Types

You may find it necessary to use some of the following connector types during set up.

Coaxial Cable
Standard TV Cable and Antenna connector

Plug Type
Press onto connection

Screw-on Type
Screw onto connection

S Video Cable
High quality Video connector for enhanced picture quality

Align guides and press onto connection

Audio/Video Cable
Conventional Audio/Video cable

Press onto connection
Yellow - Video
White - Audio (Left)
Red - Audio (Right)

S-Link Cable
Sony Link connector (only available on Sony products) for simultaneous control of your components

Press onto connection

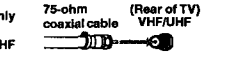
Making Connections

For best picture quality, a cable TV system or outdoor antenna is recommended.

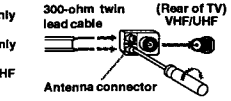
Connecting directly to cable or an antenna

The connection you choose will depend on the cable found in your home. Newer homes will be equipped with standard coaxial cable (see **A**), older homes will probably have 300-ohm twin lead cable (see **B**), still other homes may contain both (see **C**).

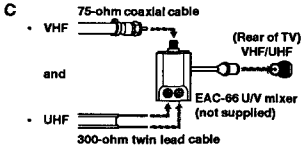
A
- VHF only or
- VHF/UHF or
- Cable



B
- VHF only or
- UHF only or
- VHF/UHF

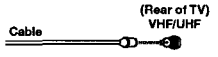


C
- VHF and
- UHF



Cable or antenna

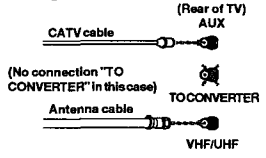
Most simple connection. Connection is made directly from the cable or antenna to the TV.



Cable and antenna

- **KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only**

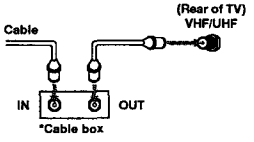
You may find it convenient to use the following set up if your cable provider does not feature local channels that you are able to receive using an antenna.



Select Cable or ANT mode by pressing ANT on the remote control.

Connecting a cable box

Some pay cable TV systems use scrambled or encoded signals that require a cable box* to view all channels.

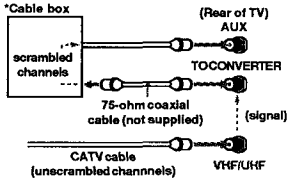


Note:
- If you will be controlling all channel selection through your cable box you should consider using the CHANNEL FIX feature discussed on page 22.

Cable box and cable

- **KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only**

Some pay cable TV systems use scrambled or encoded signals requiring a cable box* only for certain channels (e.g. HBO, SHOWTIME, etc.).



For this set up, you can switch between scrambled channels (through your cable box), and normal (CATV) channels by pressing ANT on your remote control.

* Your Sony remote control can be programmed to operate your cable box (see page 26).

Notes:
- You cannot watch the signal through the "AUX" input as a window picture when using Picture-in-Picture (PIP).
- If you are connecting a cable box through the "AUX" input and would like to switch between the "AUX" and normal (CATV) input you should consider using the CHANNEL FIX feature discussed on page 22.

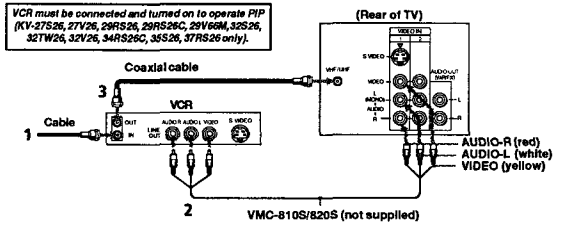
Connecting and Installing the TV (continued)

Disconnect all power sources before making any connections.

VCR must be connected and turned on to operate PIP (KV-27S26, 27V26, 29RS26, 29RS26C, 29V66M, 32S26, 32TW26, 32V26, 34RS26C, 35S26, 37RS26 only).

Connecting an antenna/cable TV system with a VCR

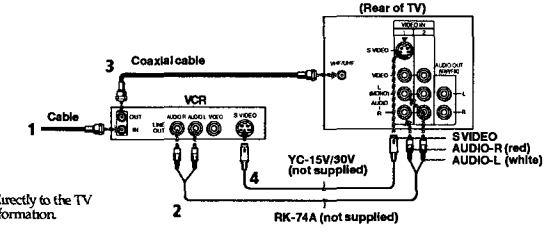
1 Attach the coaxial connector from your cable or antenna to IN on your VCR.
2 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right) *
3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.



Connecting to an S Video equipped VCR (for optimum picture quality)

1 Attach the coaxial connector from your cable or antenna to IN on your VCR.
2 Using AUDIO connectors, connect AUDIO OUT on your VCR to AUDIO IN on your TV (White-AUDIO Left, Red-AUDIO Right) *
3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.
4 Using an S VIDEO connector, connect S VIDEO on your VCR to S VIDEO on your TV.

* If you are connecting a monaural VCR, connect only the single audio output to the left input on your TV.



Note on DVD Connection
- For the best picture quality, connect the DVD player directly to the TV. Refer to your DVD manual for detailed connection information.

Connecting a VCR and TV with a cable box

1 Connect the single (input) jack of the Splitter to your incoming cable connection, and connect the other two (output) jacks (using coaxial cable) to IN on your cable box and VHF/UHF on your TV
2 Using a coaxial connector, connect OUT on your cable box to IN on your VCR
3 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right)

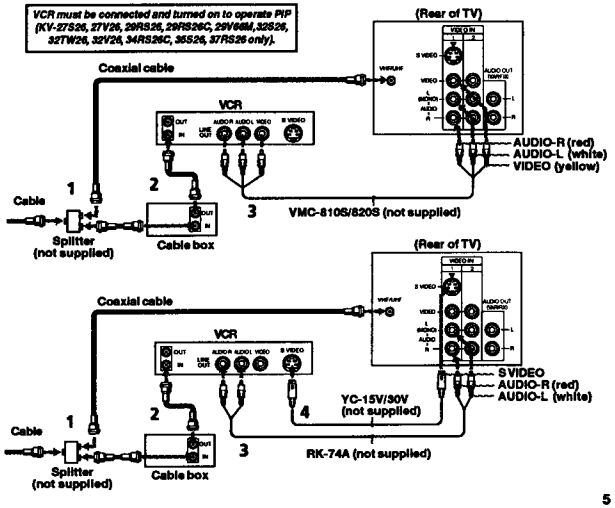
Connecting to an S Video equipped VCR with a cable box (for optimum picture quality)

1-2 Perform as described above
3 Using AUDIO connectors, connect AUDIO OUT on your VCR to AUDIO IN on your TV (White-AUDIO Left, Red-AUDIO Right)
4 Using an S VIDEO connector, connect S VIDEO on your VCR to S VIDEO on your TV

Note:

- To view scrambled channels through your cable box, select VIDEO 1 by pressing TV/VIDEO on the remote control

Disconnect all power sources before making any connections



Connecting and Installing the TV (continued)

Connecting a DBS (Direct Broadcast Satellite) receiver

1 Connect the cable from your satellite antenna to your DBS receiver
2 Attach the coaxial connector from your cable or antenna to VHF/UHF on your TV
3 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your TV

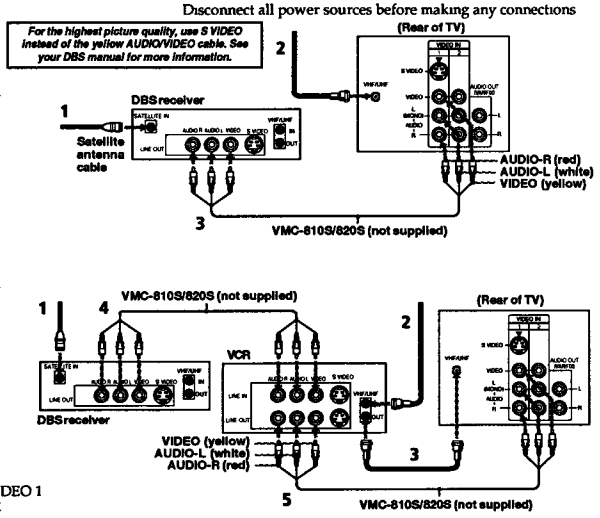
Connecting a DBS (Direct Broadcast Satellite) receiver and a VCR

1 Connect the cable from your satellite antenna to your DBS receiver
2 Attach the coaxial connector from your cable or antenna to VHF/UHF-IN on your VCR.
3 Using a coaxial connector, connect VHF/UHF-OUT on your VCR to VHF/UHF on your TV
4 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your VCR.
5 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV

Note:

- To view input from the DBS or VCR, select VIDEO 1 by pressing TV/VIDEO on the remote control

Disconnect all power sources before making any connections



Connecting an audio system

For greater viewing pleasure, integrate your home stereo into the system

1 Using AUDIO connectors, connect AUDIO OUT on your TV to one of the unused Line inputs (e g Tape-2, etc) on your stereo (White-AUDIO Left, Red-AUDIO Right)
2 Set your stereo to the chosen Line input and refer to page 20 of this manual for additional audio setup instructions

Connecting an AV receiver

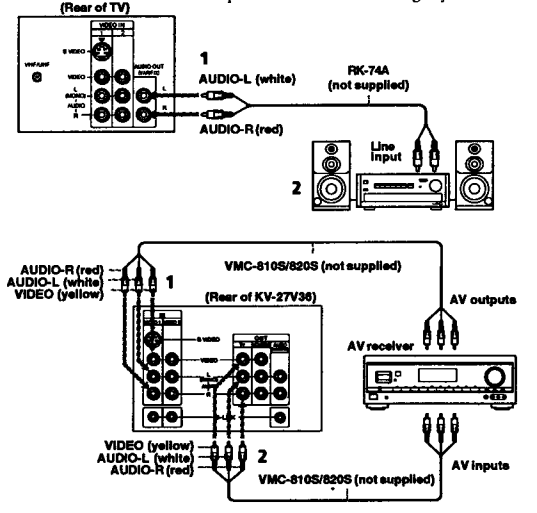
- **KV-27V36, 29V36C, 29V76M, 32V36, 34V36C, 35V36, 35V76, 37V36M only**

For greater viewing pleasure, connect your AV receiver

1 Using AUDIO/VIDEO connectors, connect VIDEO 1 IN on your TV to Monitor AUDIO and VIDEO OUT on your AV receiver
2 Using AUDIO/VIDEO connectors, connect TV OUT on your TV to TV AUDIO and VIDEO IN on your AV receiver

You may want to use CHANNEL FIX to fix your TV's input to the AV receiver (VIDEO 1)
See CHANNEL FIX, page 22

Disconnect all power sources before making any connections



Connecting and Installing the TV (continued)

Connecting two VCRs for tape editing using MONITOR OUT

- **KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only**

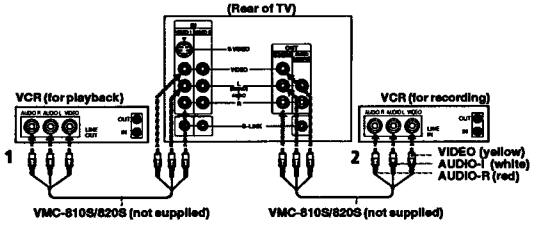
MONITOR OUT gives you the ability to use a second VCR to record a program being played by the primary VCR or to perform tape editing and dubbing

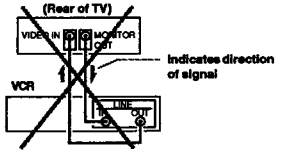
1 Connect the VCR intended for playback using the setup instructions on page 4 of this manual
2 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO IN on your VCR intended for recording to MONITOR AUDIO and VIDEO OUT on your TV

Notes:

- Do not change the input signal while editing through MONITOR OUT
- When connecting a single VCR to the TV, if VCR LINE OUT is connected to TV VIDEO IN, do not connect the TV MONITOR OUT jacks to the VCR LINE INPUT (see right) Doing so will cause program interference and other viewing problems

Disconnect all power sources before making any connections





Using the S-Link function

- **KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only**

S-Link is a Sony innovation designed to make your Sony components work together It allows you to automatically switch the TV input mode to video when you press PLAY on your Sony S-Link VCR It also allows you to turn the VCR and TV off at the same time with the SYSTEM OFF button

1 Connect your VCR using the setup instructions on page 4 of this manual

2 Using an S-Link connector, connect the S-LINK jacks on your VCR and TV Ensure that both ends are seated firmly and that the TV S-LINK connector is in the same row as the AUDIO/VIDEO connectors

Connecting a camcorder

- **KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only**

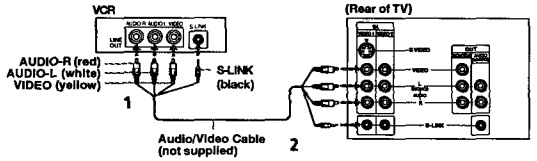
This connection is convenient for viewing a picture directly from your camcorder

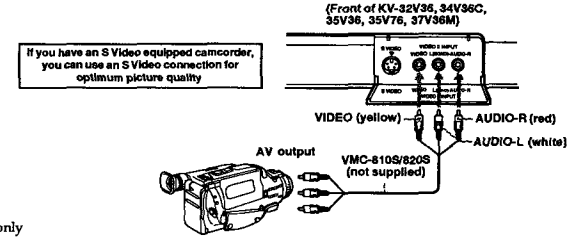
Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your camcorder to AUDIO and VIDEO IN on the front panel of your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right)

Note

- If you are connecting a monoaural camcorder, connect only the single audio output to the left input on your TV

Disconnect all power sources before making any connections.

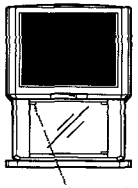



If you have an S Video equipped camcorder, you can use an S Video connection for optimum picture quality
(Front of KV-32V36, 34V36C, 35V36, 35V76, 37V36M)
VIDEO (yellow)
AUDIO-R (red)
AUDIO-L (white)
AV output
VMC-810S/820S
(not supplied)

Connecting and Installing the TV (continued)

KV-32TW26 and KV-35V76 only

Follow these instructions to install the glass door and adjust the shelf



Parts List

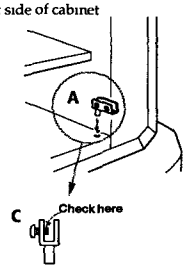
A	Bottom hinge	1
B	Top hinge	1
C	Screw 4x4	4
D	Plate pad	1
E	Plate	1
F	Metal pin	4

Note

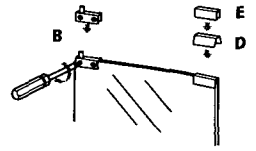
- Confirm that all parts are included before beginning assembly If any parts are missing, contact your dealer

Installing the glass door

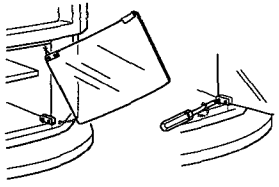
1 Check that the projection of the screw through the bottom hinge **A** does not interfere with the proper installation of the hinge to the glass door, and then insert the hinge into the hole located at the bottom right side of cabinet



2 Attach the top hinge **B** to the right side of the glass door, tighten the screws snugly, but do not overtighten Attach the plate pad **D** to the left side and push the plate **E** over the plate pad

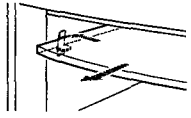


3 Push the top glass door hinge into the top right bushing and gently slide the glass door into the bottom hinge Adjust the glass door until level, and tighten the hinge screws

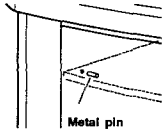


Adjusting the shelf

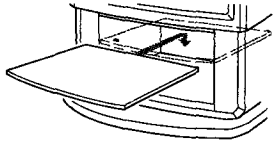
1 Press the upper part of the temporary shelf supports and remove the shelf



2 Insert the metal pin shelf supports (2 each side)



3 Insert the shelf, ensuring that the pin supports are seated in the grooves on the *bottom side of the shelf*



Basic Set up

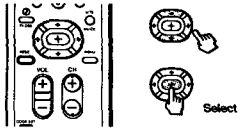
Inserting batteries

Insert two size AA (R6) batteries (supplied) by matching the + and – on the batteries to the diagram inside the battery compartment

Notes

- Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period
- Handle the remote control with care Avoid dropping it, getting it wet, or placing it in direct sunlight, near a heater, or where the humidity is high
- Your remote control can be programmed to operate most video equipment See page 24

Using the remote control Select buttons



The supplied remote control has select buttons which allow for movement of the on-screen selector in four directions Pressing on the edge of the select buttons will cause the selector to *move* in the selected direction. Pressing the center of the select buttons "⊕" will *activate* the selected item

Adjusting sliders

When menu items present a slider (▬● or ●▬), use the select buttons (◆ or ◆) to adjust the setting

On Line Help/Instructions

Several menu windows will provide prompts and instructions to assist you in navigating through the different functions *When presented, use these to supplement the instructions in this manual*

Setting up the TV automatically

The EASY SETUP GUIDE feature will allow you to set the on-screen language and set all receivable channels The EASY SETUP GUIDE screen will appear every time you turn on the TV until you perform AUTO PROGRAM

The EASY SETUP GUIDE feature does not apply for installations that use a cable box for all channel selection.

To set up the TV manually, refer to "Using the SET UP menu" on page 22

Tips

- Perform this function during the day, with the antenna and/or cable properly connected, to ensure that all available channels will be broadcasting and receivable.
- After using EASY SETUP GUIDE you will still have the option of adjusting any of the system settings, like erasing channels, through the SETUP menu (page22).
- The TV must be set to TV input to execute AUTO PROGRAM Press ANT until the channel number appears.
- If your cable or antenna is connected to AUX, then press ANT until "AUX" appears next to the channel number (*KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only*)

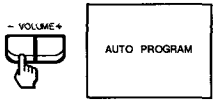
Using the buttons on the front of the TV

For KV-27V36, 29V36C, 29V76M, 32V36, 34V36C, 35V36, 35V76 and 37V36M, the control buttons are located on the top of the TV

1 Press POWER to turn on the TV
The EASY SETUP GUIDE screen appears

2 (Except Canadian models)
Press CHANNEL + to select English screens or CHANNEL – to select Spanish screens

3 Press VOLUME – to continue or TV/VIDEO for a DEMO of functions and menus



"AUTO PROGRAM" appears and the TV starts scanning and presetting channels automatically When all the receivable channels are stored, the lowest numbered channel is displayed If the TV receives cable TV channels, CABLE is set ON automatically

To perform AUTO SET UP again

- Press SET UP
- Press CHANNEL + or CHANNEL – to select a language.
- Press Volume – to restore factory settings ("CONTINUE TO AUTO PROGRAM?" will appear on the screen Press CH+ to execute or CH– to exit)
- Press SET UP to exit

Note

- When you perform AUTO PROGRAM, your CHANNEL FIX, TIMER, and CHANNEL BLOCK settings will be erased

Watching the TV

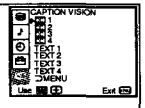
All of the TV features can be accessed via the remote control The following chart will explain the function of the buttons found on your remote control

REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

TV (FUNCTION)	Activates the remote control for use with the TV
TV POWER	Turns the TV on and off If "VIDEO" appears on the screen, press TV/VIDEO or ANT so that a channel number appears
⓪-⑨	Use for direct channel selection Press 0-9 to select a channel (for example, to select channel 10, press 1 and 0), the channel will change after 2 seconds, or you can press ENTER for immediate selection
CH +/–	Press to scan through the channels (+ up or – down)
VOL +/–	Press to adjust the volume (+ up or – down)
JUMP	Press to alternate or *jump* back and forth between two channels You can only jump between the last two channels that have been selected with the 0-9 keys
MUTING	Press to mute the sound ("MUTING" will appear on the screen) Press again or press VOL + to restore sound
FREEZE	Press to *freeze* the window picture while in PIP mode If you are not in PIP mode, pressing FREEZE will cause the main picture to freeze into a window picture Great for copying down phone numbers, addresses, recipes, etc

SLEEP	Press repeatedly until the TV displays the approximate time in minutes (30, 60, or 90) that you want the TV to remain on before shutting off automatically Cancel by pressing until "SLEEP OFF" appears
DISPLAY	Press repeatedly to step through available displays **Status** *Channel number, current time, channel caption (if set), and MTS mode (if SAP is selected)* are displayed. SAP indication disappears after three seconds **XDS** XDS (Extended Data Service) shows a network name, program name, program type, program length, call letters, and time of the show if the broadcaster offers this service **Caption Vision** Caption Vision will be displayed on the screen if the broadcaster offers this *service (see right)* To cancel the display, press DISPLAY repeatedly until "DISPLAY OFF" appears "DISPLAY OFF" disappears after three seconds
TV/VIDEO	Press repeatedly to step through available video inputs **TV, Video 1 and Video 2** (KV-27S26, 27S36, 29RS26, 29RS26C, 32S26, 32S36, 32TW26, 34RS26C, 35S26, 35S36, 37RS26 only) **TV, Video 1, Video 2 and Video 3** (KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only)
ANT	Press to change the VHF/UHF input to the AUX input (KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only) *For detailed connection information, see "Cable box and cable" or "Cable and antenna" on page 3*
SYSTEM OFF	KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only Press to turn off the TV and all other equipment connected with S-Link and return the TV input to either antenna or AUX, whichever was last used
MTS/GUIDE	Press this button to cycle through the Multi-channel TV Sound (MTS) options. (page 20)

CAPTION VISION



Some programs are broadcast with Caption Vision To display Caption Vision, select CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3, or TEXT4 from the menu, then press DISPLAY until Caption Vision is displayed

CC1, CC2, CC3, or CC4 shows you a caption, that is, a printed version of the dialogue or sound effects of a program (The mode should be set to CC1 for most programs) TEXT1, TEXT2, TEXT3, or TEXT4 shows you text, that is, information presented using either half or the whole screen It is not usually related to the program

Notes

- Poor reception of TV programs can cause errors in Caption Vision and XDS Captions may appear with a white box or other errors instead of intended text
- XDS, Caption Vision, and the status display cannot be used at the same time

Watching two programs at one time — PIP (Except KV-29V22M)

The Picture-in-Picture (PIP) feature allows you to view two channels simultaneously, one in the full size "main" picture and one in a smaller "window" picture This means that two separate tuners must be available to provide the two signals

Certain models (KV-27S26, 27V26, 29RS26, 29RS26C, 29V66M, 32S26, 32TW26, 34RS26C, 35S26, 37RS26 only) are equipped with a single tuner This simply means that a VCR must be connected and turned on for PIP to operate

Tip

To ensure a correct single tuner PIP connection (KV-27S26, 27V26, 29RS26, 29RS26C, 29V66M, 32S26, 32TW26, 34RS26C, 35S26, 37RS26 only), make sure the following list of simple connections is complete before using PIP

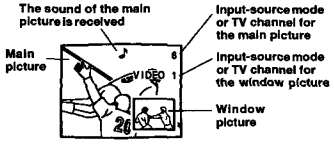
- A cable or antenna is connected to the VCR
- The VCR is connected to your TV
- The VCR is turned on

(for detailed connection information, see page 3-5)

Note:

- You must press TV (FUNCTION) before you can control PIP with the yellow labeled buttons

REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART


The sound of the main picture is received
Input-source mode or TV channel for the main picture
Main picture
Input-source mode or TV channel for the window picture
VIDEO
Window picture

Use the Yellow Labeled Buttons for PIP Operations.	
PIP ⏭	Press once to display the window picture (1/9 size) Press again to reduce the size of the window picture (1/16 size) Press a third time to remove the window picture
TV/VIDEO ⏺	Press repeatedly to step through available video inputs **TV, Video 1, Video 2, and Video 3** (KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only) *If you use one of the connections from page 4, your PIP input source is the VCR If you use one of the connections from page 5, your PIP input source is a VCR or cable box*
AUDIO ⏸	Press to alternate sound between the main picture and the window picture A ♪ will appear for a few seconds to indicate which picture is receiving sound

Use the Yellow Labeled Buttons for PIP Operations.	
TV/VTR + ◯ CH - ◯	Press to change the TV channel in the window picture (+ to increase the channel number and – to decrease) For models KV-27S26, 27V26, 29RS26, 29RS26C, 29V66M, 32S26, 32TW26, 34RS26C, 35S26, and 37RS26, if you are watching the video input in the window picture, you must press VTR (FUNCTION), then use the main CH +/- buttons to change channels
POSITION ◉	Press to move the location of the window picture (counterclockwise) around the main picture
FREEZE ◀◀	Press to freeze the window picture Great for copying down phone numbers, addresses, recipes, etc If a window picture is displayed, then it will be frozen If only the main picture is displayed, then it will be frozen and displayed as a window picture *Press FREEZE again to restore the previous screen(s)*
SWAP ▶	Press to switch the audio and video of the main picture and the window picture Each time you press SWAP, the picture and sound of the two will be *SWAPPED* *The channels being received through the AUX jack cannot be displayed as a window picture (KV-27S36, 27V36 29V36C 29V76M, 32S36 32V36, 34V36C, 35S36, 35V36, 35V76, 37RS26 37V36M only)*

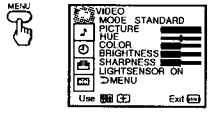
Adjusting your SET UP (menus)

Learning menu selection

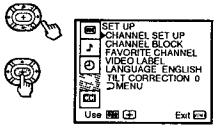
Use the MENU button to access a menu and use the Select buttons to alter settings Use the following example to learn how to modify settings

1 Press the MENU button

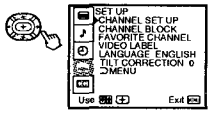
The main menu appears



2 Press the select buttons (♦ or ♦) to highlight the desired menu and press ⊕ to activate it

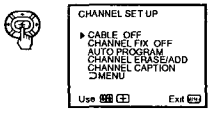


3 Press the select buttons (♦ or ♦) to select the desired option



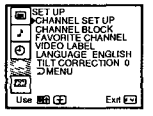
4 Press ⊕

Options for your selection will be displayed



5 Make your selection and press ⊕ to activate it

The previous screen will reappear

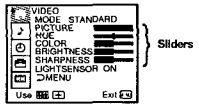


When you are done with changes to the selected menu, choose MENU to return to the main menu Once you have completed all menu corrections, press MENU on the remote control to exit the menu screens

Note

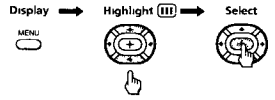
- Pressing MENU on the remote control will allow you to exit from the menus

Using the VIDEO menu



For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18

To select the VIDEO menu



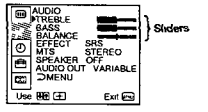
To restore the factory settings

Press RESET on the remote control while the VIDEO menu is displayed

MODE *Customized picture viewing*	**STANDARD** Select to receive a standard picture **MOVIE** Select to receive a finely detailed picture **SPORTS** Select to receive a vivid, bright picture
PICTURE *Picture Adjustment*	Adjust slider left (cursor down) to decrease picture contrast and soften the color Adjust slider right (cursor up) to increase picture contrast and create more vivid color
HUE *Picture Adjustment*	Adjust slider left (cursor down) to decrease the green tones Adjust slider right (cursor up) to increase the green tones
COLOR *Picture Adjustment*	Adjust slider left (cursor down) to decrease color intensity Adjust slider right (cursor up) to increase color intensity
BRIGHTNESS *Picture Adjustment*	Adjust slider left (cursor down) to darken the picture Adjust slider right (cursor up) to brighten the picture
SHARPNESS *Picture Adjustment*	Adjust slider left (cursor down) to soften the picture Adjust slider right (cursor up) to sharpen the picture
LIGHTSENSOR *Picture Adjustment*	(KV-27V26, 27V36, 29V36C 29V66M, 29V76M 32V26 32V36 34V36C, 35V36, 35V76, 37V36M only) **ON** TV automatically adjusts the brightness of the picture according to the brightness of the room **OFF** Brightness remains at preset value

Adjusting your SET UP (menus) (continued)

Using the AUDIO menu



For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18

To select the AUDIO menu

To restore the factory settings

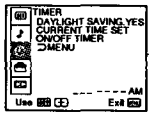
Press RESET on the remote control while the AUDIO menu is displayed

Tip

Press ♪ for direct selection of an EFFECT setting

TREBLE *Sound Adjustment*	Adjust slider left (cursor down) to decrease higher pitched sounds Adjust slider right (cursor up) to increase higher pitched sounds
BASS *Sound Adjustment*	Adjust slider left (cursor down) to decrease low pitched sounds Adjust slider right (cursor up) to increase low pitched sounds
BALANCE *Sound Adjustment*	Adjust slider left (cursor down) to emphasize left speaker volume Adjust slider right (cursor up) to emphasize right speaker volume
EFFECT *Customize sound effect based on the program's audio type*	**SURROUND** Simulates theater quality sound (only for stereo programs) (KV-27S26 27S36, 29RS26, 29RS26C 32S26, 32S36, 32TW26 34RS26C, 35S26, 35S36, 37RS26 only) **SRS** Produces a dynamic three dimensional sound for stereo or encoded audio signals (KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36 34V36C, 35V36 35V76 37V36M only) **SIMULATED** Adds a surround-like effect to mono programs. (KV-27V26, 27V36, 29V36C 29V66M, 29V76M 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only)
MTS *Enjoy stereo, bilingual and mono programs*	**STEREO** Select for stereo reception when viewing a program broadcast in stereo **SAP** Select to listen to bilingual broadcast (non-SAP programs will be muted when this feature is selected) **MONO** Select for mono reception (use to reduce noise during stereo broadcasts) ***Quick MTS access*** *Press MTS on your remote to cycle through the MTS options as follows (STEREO ♦ SAP ♦ MONO ♦ STEREO)*
SPEAKER *Custom selection of audio output source*	**ON** Select to listen to the sound from the TV speakers and a separate stereo system **OFF** Select to turn off the TV speakers and listen to the TV's sound only through external audio system speakers
AUDIO OUT *Easy control of volume adjustments*	AUDIO OUT can only be set when speakers are set to OFF **VARIABLE** Sound output varies according to the TV settings Volume, Bass, Treble, and Balance are adjusted through the TV Useful when you want to use your remote to control the output of a separate audio system **FIXED** Sound output is held at a fixed level Volume, Bass Treble, and Balance are fixed to the factory settings Volume adjustments are made through your stereo

Using the TIMER menu



After setting the clock you can use the timer to turn the TV on and off

For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18

To select the TIMER menu:

Tip

Set daylight saving time before setting the clock. Any loss of power will cause these settings to be erased.

DAYLIGHT SAVING *Automatically adjusts the time.*	Spring: Select YES to compensate for Daylight Saving Time The current time automatically moves one hour ahead Fall: Select NO at the end of Daylight Saving Time The current time moves back one hour
CURRENT TIME SET *Necessary for the TIMER.*	CURRENT TIME SET window will appear 1 Press ↑ or ↓ on the select buttons until the current day (MON-SUN) is displayed Press ⊕ to select 2 Press ↑ or ↓ on the select buttons until the current hour (01-12) and AM/PM is displayed Press ⊕ to select. 3 Press ↑ or ↓ on the select buttons until the current minute (00-59) is displayed 4 Press ⊕ The Clock has now started Press MENU to exit
ON/OFF TIMER *Wake up or scheduled viewing*	ON/OFF TIMER window will appear 1 Press ↑ or ↓ on the select buttons until the desired day (MON-SUN) or range of days (EVERY Sun-Sat or EVERY Mon-Fri) is displayed Press ⊕ to select 2 Indicate the time (hours then minutes) that you want the TV to turn on by pressing ↑ or ↓ and then ⊕ 3 Set the time duration (maximum of 6 hours) by pressing ↑ or ↓ and then ⊕ **TO CANCEL THE TIMER FUNCTION, PRESS RESET.** 4 Press ↑ or ↓ on the select buttons to select the desired channel Press ⊕ to select. The timer is now set The TIMER indicator on your TV will be lit Press MENU to exit. When you perform AUTO PROGRAM, all TIMER settings will be erased.

Adjusting your SET UP (menus) (continued)

Using the SET UP menu

For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18

To select the SET UP menu:

If any menu items are "grayed out", press the ANT button on your remote so that a channel number appears

Favorite channel feature is not available for the AUX input

CHANNEL SET UP *Basic set up options for viewing*	With the CHANNEL SET UP window open 1 Use ↑ or ↓ to select the feature you want to change 2 Press ⊕ to access the feature **CABLE:** Select ON if your TV is connected to a cable system (AUTO SET UP will set CABLE to ON automatically when it programs the TV) **CHANNEL FIX:** Use this feature to set the TV's input to one of the following options. **2-6:** Choose when the cable box is connected to the VHF/UHF input and you do not want to switch to AUX mode. Once this setting is made you will not be able to use the "TV function" CH+/– to change channels, instead, use the "Cable function" CH +/– **AUX 2-6** Choose when a cable box is connected to AUX and a cable or antenna is connected to ANT You can alternate between the two inputs by pressing ANT on the remote control (KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only) **VIDEO 1:** Choose when you have connected video equipment (e.g AV receiver) and you want TV input fixed to it. You will only be able to switch between video sources. *TIMER and CHANNEL BLOCK settings are erased when CHANNEL FIX is set* **AUTO PROGRAM:** Instructs the TV to automatically program all receivable channels **CHANNEL ERASE/ADD:** With the CHANNEL ERASE/ADD window open 1 *Place the cursor next to ERASE or ADD* 2 Select the desired channel using CH+/–, or by selecting with the 0-9 buttons and pressing ENTER 3 Press ⊕ to activate **CHANNEL CAPTION:** With the CHANNEL CAPTION window open 1 Press ⊕ and then ↑ or ↓ on the select buttons to select the desired channel, and press ⊕ again 2 Press ↑ or ↓ on the select buttons to display the first letter or number of the caption and press ⊕ to select it. (Repeat until all four digits are selected) 3 Press ⊕ to activate *To erase a Caption, press RESET*

CHANNEL BLOCK *Prevent child access to certain channels.*	You will be able to block two channels With the CHANNEL BLOCK window open 1 Select 1 or 2 and press ⊕ 2 Press ↑ or ↓ on the select buttons to display the channel you want to block 3 Press ⊕ to activate When you select the blocked channel, "BLOCKED" will appear on the screen Caption Vision, XDS, and output from the selected channel will also be blocked To erase your CHANNEL BLOCK settings, press RESET while in the CHANNEL BLOCK window When you perform AUTO PROGRAM, your CHANNEL BLOCK settings will be erased
FAVORITE CHANNEL *Quick access to favorite channels*	**Setting FAVORITE CHANNEL:** With the FAVORITE CHANNEL window open 1 Press ⊕ and then ↑ or ↓ on the select buttons to select AUTO or MANUAL, and press ⊕ again (Selecting AUTO will cause the last five channels that you chose with the remote control 0-9 buttons to be selected) 2 Press ↑ or ↓ on the select buttons to select 1, 2, 3, 4, or 5 and press ⊕. 3 Press ↑ or ↓ on the select buttons to select the desired channel and press ⊕ 4 For KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only, you can preview your favorite channels in the window picture, to do so, set PREVIEW DISPLAY to ON **Using FAVORITE CHANNEL:** 1 Press ⊕, and your FAVORITE CHANNEL options appear 2 Press ↑ or ↓ to select the channel you want to watch, and press ⊕ 3 For models KV-27S36, 27V36, 29V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only, if PREVIEW is turned on, then a window picture will display your favorite channels as you cycle through the options.
VIDEO LABEL *Easy recognition of connected equipment (e.g. DBS, VHS, etc.)*	This feature allows you to label each input mode so that you can easily identify the connected equipment (e g you can label VIDEO 1 IN as VHS) 1 Press ↑ or ↓ on the select buttons to select the input mode you want to label and press ⊕ 2 Press ↑ or ↓ to select the label and press ⊕ **VIDEO LABEL Options:** Video 1: VHS, 8mm, BETA, LD, GAME, DBS, DVD, WEB, RECEIVER Video 2/3 VHS, 8mm, BETA, LD, GAME, DBS, DVD, WEB
LANGUAGE	(Except Canadian models) Select from available languages to cause all menus to appear in your language of choice
TILT CORRECTION *Adjust your picture*	Use this feature to correct any tilt of the picture KV-35S26, 35S36, 35V36, 35V76, 37RS26, 37V36M only Press ↑ or ↓ on the select buttons to select a correction between +5 and –5 and press ⊕

Operating video equipment

Setting the manufacturer's code

You can use the supplied remote control to operate Sony or non-Sony video equipment that has an infrared sensor

1 Press CODE SET
2 Press VTR (FUNCTION)
3 Use the 0-9 buttons to key in the manufacturer's code number from the following chart
4 Press ENTER

VCR manufacturer code numbers

Manufacturer	Code
Sony	301, 302, 303
Aiwa	338, 344
Admiral (M Wards)	327
Audio Dynamic	314, 337
Bell & Howell (M Wards)	330, 343
Broksonic	319, 317
Canon	309, 308
Citizen	332
Craig	315, 302, 332
Criterion	315
Curtis Mathis	304, 338, 309
Daewoo	341, 312, 309
DBX	314, 336, 337
Dimensia	304
Emerson	319, 320, 316, 317, 318,341
Fisher	330, 334, 335, 333
Funai	338
General Electric	329, 304, 309
Go Video	322
Goldstar	332
Hitachi	306 304, 305,338
Instant Replay	309, 308
JC Penney	309, 305, 304, 330, 314, 336, 337
JVC	314, 336, 337
Kenwood	314, 336, 332, 337
LXI (Sears)	332, 305, 333, 334, 330, 335, 338
Magnavox	308, 309, 310
Marantz	314, 336, 337
Marta	332
Memorex	309, 335
Minolta	305, 304
Mitsubishi/MGA	323, 324, 325, 326
Multitech	325, 338, 321
NEC	314, 336, 337
Olympic	309, 308
Optimus	327
Panasonic	308, 309, 306, 307
Pentax	305, 304
Philco	308, 309
Philips	308, 309, 310
Pioneer	308
Quasar	308, 309, 306
RCA/PROSCAN	304, 305, 308, 309, 311, 312, 313, 310, 329
Realistic	309, 330, 328, 335, 324, 338
Sansui	314
Singer	315
Samsung	322, 313, 321
Sanyo	330, 335
Scott	312, 313, 321, 335, 323, 324, 325, 326
Sharp	327, 328
Shintom	315
Signature 2000 (M Wards)	338, 327
Sylvania	308, 309, 338, 310
Symphonic	338
SV2000	338
Tashiro	332
Tatung	314, 336, 337
Teac	314, 336, 338, 337
Technics	309, 308
Toshiba	312, 311
Wards	327, 328, 335, 331, 332
XR-1000	315
Yamaha	330, 314, 336, 337
Zenith	331

MDP manufacturer code numbers

Manufacturer	Code
Sony	701
Kenwood	707
Magnavox	703
Marantz	702
Mitsubishi	702
Panasonic	704, 710
Philips	703

Pioneer	702
RCA	702, 709
Sanyo	706
Sharp	705
Yamaha	703, 708

Tips

- In some rare cases, you may not be able to operate your non-Sony video equipment with the supplied remote control. In this case, please use the equipment's own remote control.
- The code numbers for Sony equipment are assigned at the factory as follows:

VHS VCR	301 (preset code for the supplied remote control)
8 mm VCR	302
Beta, ED Beta VCRs	303

- When you remove the batteries, the code number may revert to the factory setting

Operating a VCR	Buttons on the remote control
To turn on or off	*Press VTR (POWER)*
To select a channel directly	Press the 0 – 9 buttons
To change channels	Press CH +/–
To record	Press ► while pressing ●. First release ►, then release ●
To play	Press ►
To stop	Press ■
To fast forward	Press ►►
To rewind the tape	*Press ◄◄*
To pause	Press II. To resume normal playback, press again
To search the picture forward or backward	Press ►► or ◄◄ during playback. To resume normal playback, release the button
To change input mode	*Press TV/VTR*

Operating an MDP	Buttons on the remote control
To turn on or off	Press VTR (POWER)
To play	Press the ►.
To stop	Press ■
To pause	Press II. To resume normal playback, press again
To search the picture forward or backward	Keep pressing ►► or ◄◄ during playback. *To resume normal* playback, release the button
To search the chapter forward or backward	Press CH +/–.

Operating a cable box or DBS receiver

Programming the remote

You can program the supplied remote control to operate a cable box or DBS receiver

1 Press CODE SET

2 Press DBS/CABLE (FUNCTION)

3 Use the 0-9 buttons to key in the manufacturer's code number from the following chart

4 Press ENTER

To operate the TV

Press TV (FUNCTION) Then use the TV control buttons to control the TV

For more details on operating the cable box or DBS receiver

Refer to the operating instructions that come with the equipment

If the remote control doesn't work

- First, try repeating the setup procedures using the other codes listed for your equipment

Tips

- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
- If you enter a new code number, the code number you previously entered at that setting is erased.
- In some rare cases, you may not be able to operate your equipment with the supplied remote control. In this case, use the equipment's own remote control unit.
- Whenever you remove the batteries — to replace them, for example — if too much time is taken, the code numbers may revert to the factory setting and must be reset.

Manufacturer code numbers (cable box)

Manufacturer	Code number
Hamlin/Regal	222, 223, 224, 225, 226
Jerrold/G. I	201, 202, 203, 204, 205, 206, 207, 208, 218
Oak	227, 228, 229
Panasonic	219, 220, 221
Pioneer	214, 215
Scientific Atlanta	209, 210, 211
Tocom	216, 217
Zenith	212, 213

Manufacturer code numbers (DBS receiver)

Manufacturer	Code number
Sony	801 (preset code for remote control)
General Electric	802
RCA/PROSCAN	802

Troubleshooting

Troubleshooting

Cannot Operate Single-Tuner PIP (KV-27S26, 27V26, 29RS26, 29RS26C, 29V66M, 32S26, 32TW26, 34RS26C, 35S26, 37RS26 only)

- Check that cable is connected to the VCR, and the VCR is turned on
- Check that the VCR is connected to the TV

No picture (screen not lit), no sound

- Make sure the power cord is plugged in
- Operate with the buttons on the TV and the remote control
- Insert the batteries in the remote control with the correct polarity
- Replace the batteries with new ones if they are weak
- Check to see if the TV/VIDEO setting is correct when watching TV, set to TV, and when watching video tapes, set to VIDEO1, 2, or 3
- Try another channel *It could be station trouble*
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition (page 13)

Poor or no picture (screen lit), good sound

- Adjust PICTURE in the VIDEO menu (page 19)
- Adjust BRIGHTNESS in the VIDEO menu (page 19)
- Check antenna/cable connections
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition (page 13)
- Remove objects from the front of TV
- Check the LIGHTSENSOR setting in the VIDEO menu (page 19)

Good picture, no sound

- Press MUTING so that "MUTING" disappears from the screen (page 14)
- Check the MTS setting in the AUDIO menu (page 20)
- Make sure SPEAKER is set to ON in the AUDIO menu (page 20)
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition (page 13)

No color

- Adjust the COLOR in the VIDEO menu (page 19)
- Black and white programs cannot be seen in color
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition (page 13)

Only snow and noise appear on the screen

- Check the CABLE setting in the SET UP menu (page 22)
- Check the antenna/cable connections
- Make sure the channel is broadcasting programs
- Press ANT to change the input mode (page 15)

Dotted lines or stripes

- Adjust the antenna
- Move the TV away from noise sources such as cars, neon signs, or hair-dryers

Double images or ghosts

- Use a highly directional outdoor antenna or a cable (when the problem is caused by reflections from nearby mountains or tall buildings)

Cannot operate menu

- If the item you want to choose appears in gray, you cannot select it Press TV/VIDEO correctly

Troubleshooting (continued)

Cannot receive upper channels (UHF) when using an antenna

- Make sure CABLE is OFF in the SET UP menu (page 22)
- Use AUTO PROGRAM to add receivable channels that are not presently in TV memory (page 22)

Cannot receive any channels when using cable TV

- Make sure CABLE is ON in the SET UP menu (page 22)
- Use AUTO PROGRAM to add receivable channels that are not presently in TV memory (page 22)

Remote control does not operate

- Batteries could be weak Replace the batteries
- Press TV (FUNCTION) when operating your TV
- Make sure the TV's power cord is connected securely to the wall outlet
- Locate the TV at least 3-4 feet away from fluorescent lights
- Check the S-Link connection (page 4,5)

Cannot gain enough volume when using a cable box

- Increase the volume at the cable box Then press TV (FUNCTION) and adjust the TV's volume

TV is fixed to one channel

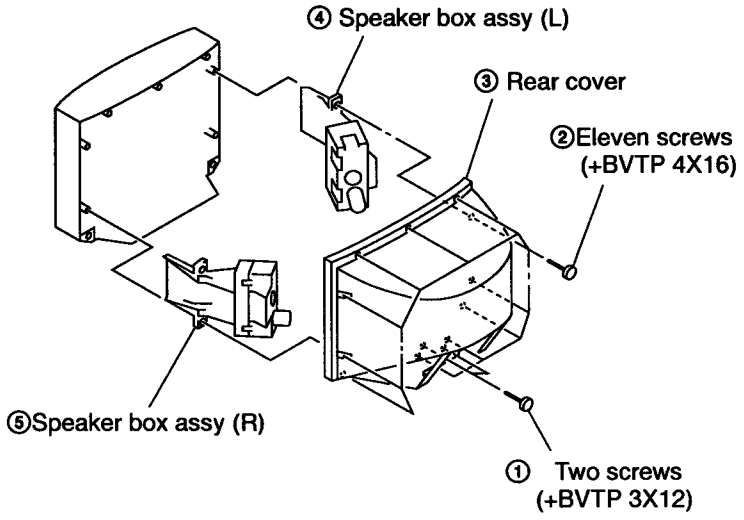
- Try turning CHANNEL FIX off (see page 22)
- Use AUTO PROGRAM to add receivable channels that are not presently in the TV memory (page 22)
- To reset the TV First, turn the TV on Then, while pressing the RESET key on the remote control, press the POWER Key on the TV The TV will turn itself off, then back on. When the TV turns on again, all settings will be reset, and the EASY SETUP GUIDE will appear

TV malfunctions when using the S-Link function (KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only)

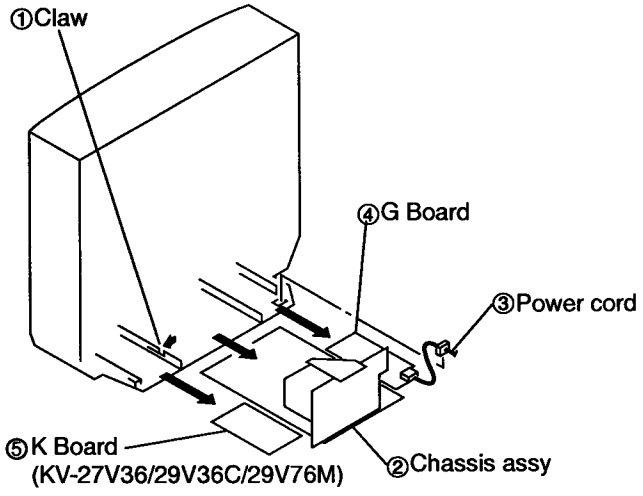
- Make sure the TV's power cord is connected securely to the wall outlet.
- Check the S-Link connection (page 4,5)

SECTION 2
DISASSEMBLY

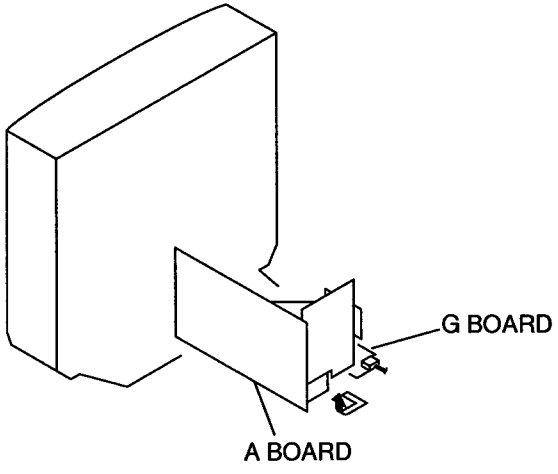
2-1. REAR COVER REMOVAL



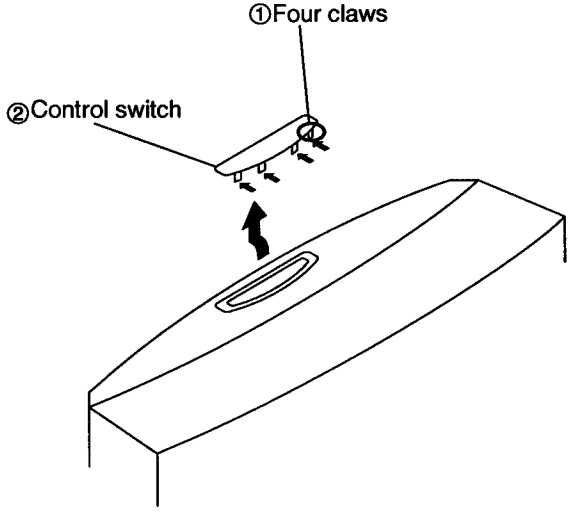
2-2. CHASSIS ASSY REMOVAL



2-3. SERVICE POSITION



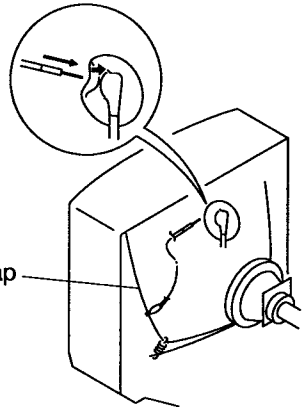
2-4. CONTROL SWITCH REMOVAL (KV-27V36/29V36C/29V76M)

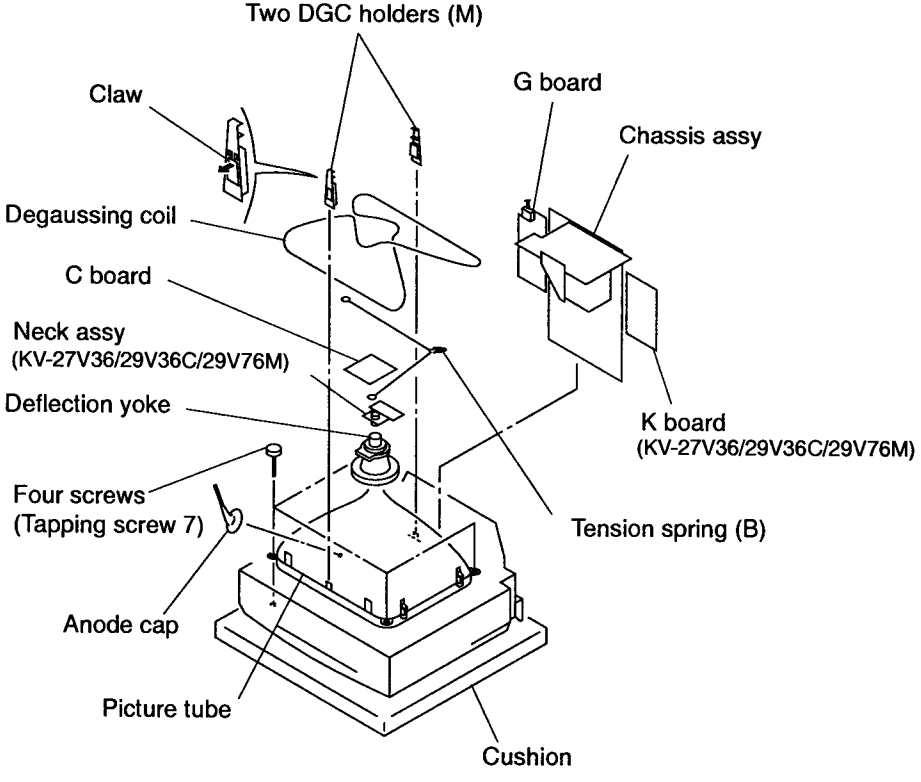


2-5. PICTURE TUBE REMOVAL

WARNING : Before removing anode cap
H.V. remains in the CRT even after the power is disconnected.

To avoid electrical shock before attempting to remove the anode cap, discharge CRT: Short between anode and CRT coated earth ground strap.

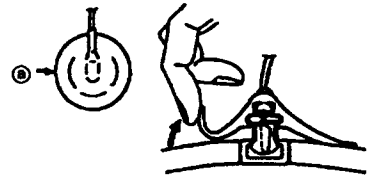




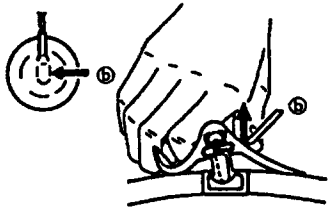
• REMOVAL OF THE ANODE-CAP

NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon painted on the CRT, after removing the anode.

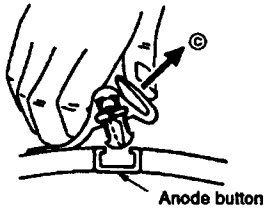
• REMOVAL PROCEDURES



① Turn up one side of the rubber cap in the direction indicated by arrow ⓐ.



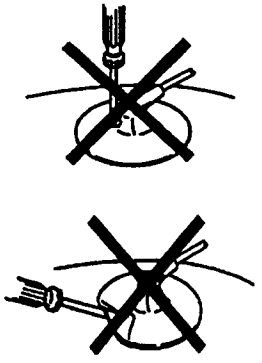
② Use your thumb to pull the rubber cap firmly in the direction indicated by arrow ⓑ.



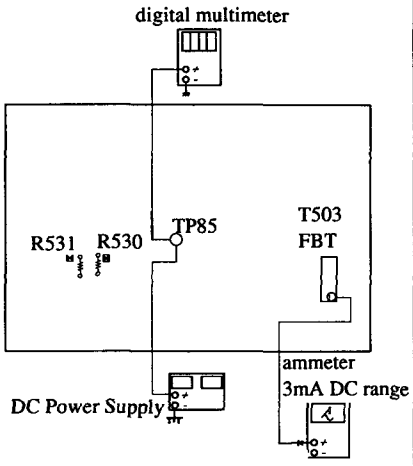
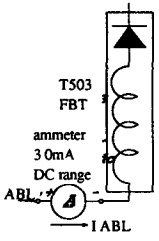
③ When one side of the rubber cap separates from the anode button, the anode-cap can be removed by turning the rubber cap and pulling it in the direction of arrow ⓒ.

• HOW TO HANDLE AN ANODE-CAP

① Do not use sharp objects which may cause damage to the surface of the anode-cap.
② Do not squeeze the rubber covering too hard to avoid damaging the anode-cap. A material fitting called a shatter-hook terminal is built into the rubber.
③ Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.



SECTION 3
SAFETY RELATED ADJUSTMENTS

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
⊠ RESISTOR CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS The following adjustments should always be performed when replacing the components marked with ◪ on the A and G Board schematic diagrams. (Hold-down operation confirmation)		◪ marked parts A Board IC351,IC501 D519,D520,D521, C531,C532,R387, R529,R530,R531 R532,R533,R550,T503 G Board IC643, R661	⊠ R530,531	A BOARD - CONDUCTOR SIDE -
Step 1 Preparation before confirmation: a) Turn the POWER switch ON, input a white signal and set the PICTURE and BRIGHTNESS controls to maximum.	White Picture	TP85 (H. PROT)	PICTURE BRIGHTNESS .....maximum }	
b) Confirm that the voltage at the check terminal of TP85 is more than 21.0VDC when the set is operating normally. (120 ± 2.0 VAC) or (220 ±2.0 VAC for KV-29V36C)	Digital multimeter			
Step 2 Input a white signal and verify that I ABL is within the specified range.	White Picture			[Check Condition]Step 2 1760±100 μA 120 $^{+20}_{-0}$VAC (Power Supply) 220 $^{+20}_{-0}$ VAC (Power Supply) (KV-29V36C only)
Step 3 Record the voltage between TP85 and ground.				
Step 4 Using an external DC power supply, apply voltage between TP 85 and ground. Increase the voltage gradually and confirm that the hold-down works (raster disappears) at lower than the voltage recorded in Step 3.				[Check Condition]Step 4 lower than 26.05 VDC 120 $^{+20}_{-0}$ VAC (Power Supply) 220 $^{+20}_{-0}$ VAC (Power Supply) (KV-29V36C only)
Step 5 Confirm that a voltage of more than 21.0VDC appears between TP85 and ground.	White Picture		PICTURE BRIGHTNESS .....maximum	[Check Condition]Step 5 more than 21.0 VDC 120 $^{+20}_{-0}$ VAC (Power Supply) 220 $^{+20}_{-0}$ VAC (Power Supply) (KV-29V36C only)

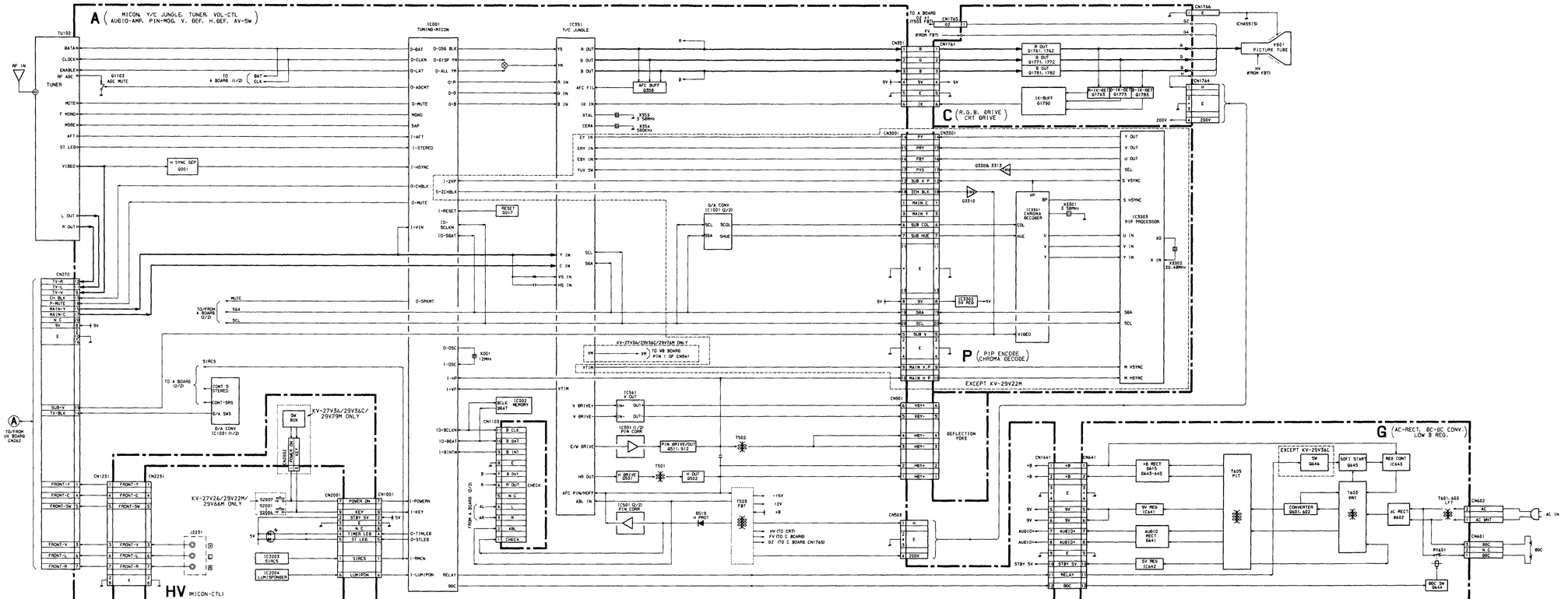
ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
B+ VOLTAGE CONFIRMATION The following adjustments should always be performed when replacing the components marked with ◪ on the schematic.		<u>G-Board</u> IC643, R661		
1) Supply AC Voltage with a variable auto-transformer.	Variable auto-transformer			130 $^{+20}_{-0}$ V AC 220 $^{+20}_{-0}$ V AC (KV-29V36C only)
2) Input an entirely monoscope signal.	Monoscope			
3) Set the PICTURE control and the BRIGHTNESS control to initial reset value.			PICTURE, BRIGHTNESS ..... initial reset	
4) Confirm the voltage of the G board CN641 between pin 1 to ground is less than 136.5 VDC.		<u>G Board CN641</u> Pin 1 - ground		
5) If step 4) is not satisfied, replace the R661 and repeat above steps.				

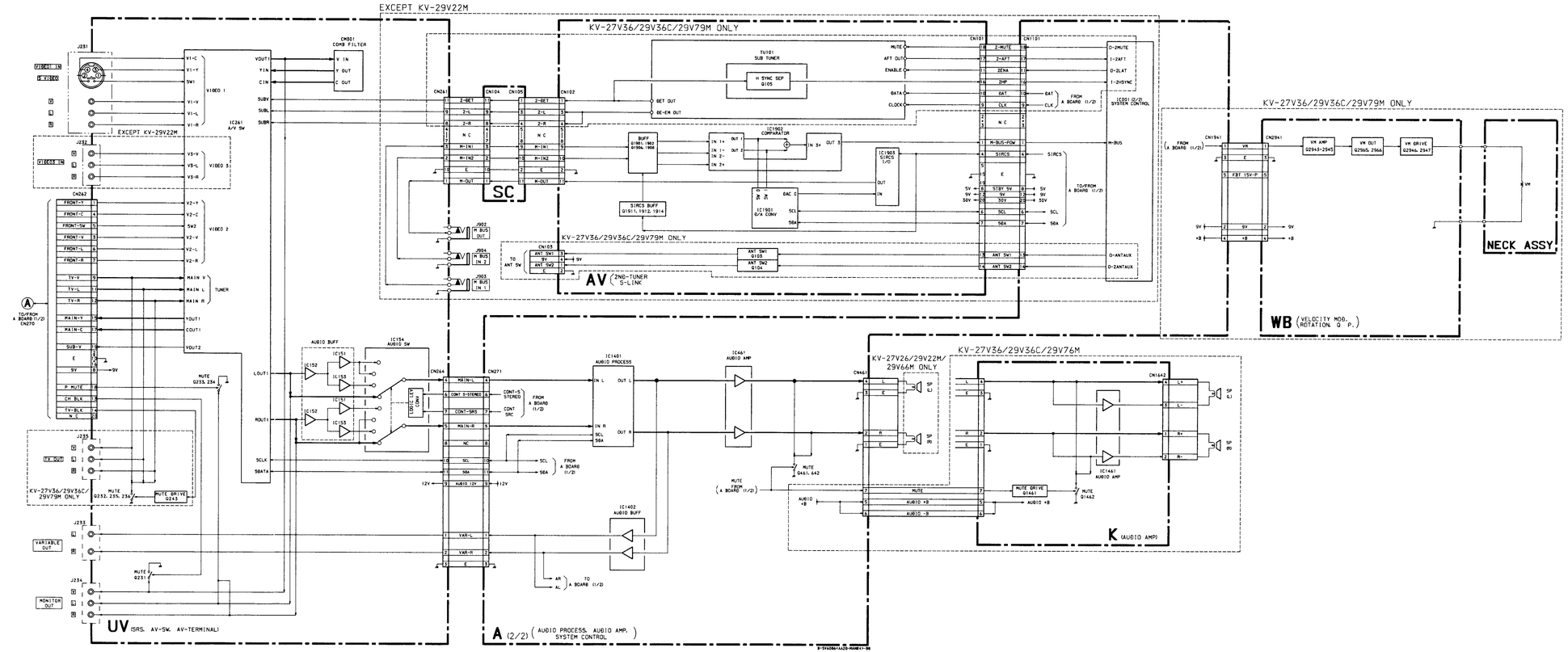
NOTES:

NOTES:

NOTES:

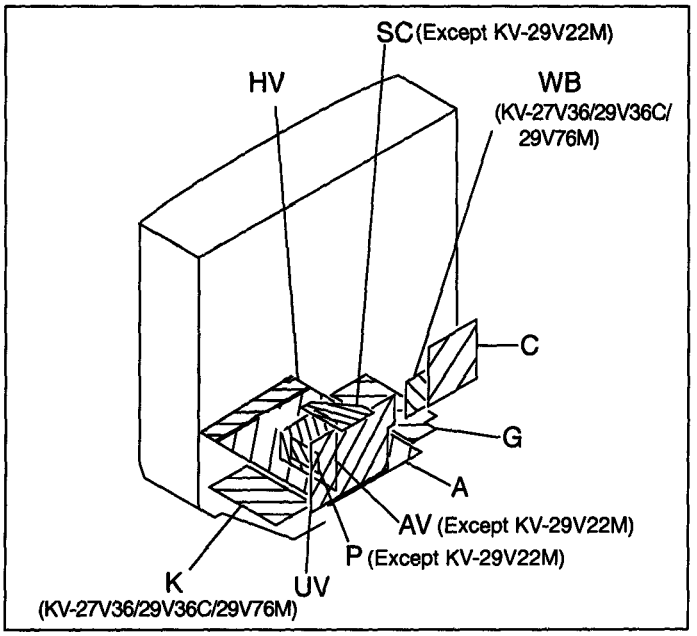
4-1. BLOCK DIAGRAM




EXCEPT KV-29V22M
KV-27V36/29V36C/29V79M ONLY
KV-27V26/29V22M/29V66M ONLY
KV-27V36/29V36C/29V76M
VIDEO IN
S VIDEO
VIDEO OUT
MONITOR OUT
VARIABLE OUT
TV OUT
J281
J232
J233
J235
J253
J254
CN501 COMB FILTER
IC261 A/V SW
VIDEO 1
VIDEO 2
VIDEO 3
TUNER
CN262
CN263
CN264
CN271
TU101 SUB TUNER
H SYNC SEP Q105
IC1903 COMPARATOR
IC1901 D/A CONV
IC1905 SIRCS I/O
BUFF Q1901,1902 Q1906,1908
SIRCS BUFF Q1911,1912,1914
CN101
CN1101
CN1102
CN1103
CN1104
CN1105
J902 M BUS OUT
J904 M BUS IN 2
J903 M BUS IN 1
SC
AV (2ND-TUNER S-LINK)
IC1401 AUDIO PROCESS
IC1402 AUDIO BUFF
IC1403 AUDIO SW
IC1404 AUDIO SW
IC151
IC152
IC153
IC154
AUDIO BUFF
DOLBY NR CONV
IC4401 AUDIO AMP
CN4401
CN4402
IC1461 AUDIO AMP
IC1462 AUDIO AMP
MUTE Q435,234
MUTE Q251
MUTE Q4401,4402
MUTE DRIVE Q1441
MUTE DRIVE Q243
SP (L)
SP (R)
UV (SRS, AV-SW, AV-TERMINAL)
A (2/2) (AUDIO PROCESS, AUDIO AMP, SYSTEM CONTROL)
K (AUDIO AMP)
WB (VELOCITY MOD., ROTATION Q P.)
NECK ASSY
TO/FROM A BOARD (1/2) CN270
FROM A BOARD (1/2)
TO A BOARD (1/2)
TO/FROM A BOARD (1/2)
IC2001 (2/2) SYSTEM CONTROL
9-914084-1A20-RANK01-98

SECTION 4
DIAGRAMS (continued)

4-2. CIRCUIT BOARDS LOCATION



4-3. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note:

- All capacitors are in μF unless otherwise noted. pF · μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All electrolytics are in 50V unless otherwise specified.
- All resistors are in ohms.
  kΩ=1000Ω, MΩ=1000kΩ
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm
Rating electrical power : 1/4 W

- 1/4 W in resistance, 1/10 W and 1/8 W in chip resistance.
- : nonflammable resistor.
- : fusible resistor.
- △ : internal component.
- : panel designation and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by ▣ in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.
  Should replacement be required, replace only with the value originally used
- When replacing components identified by ◪ , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by ▣ and repeat the adjustment until the specified value is achieved.
  (Refer to R530 and R531 adjustment on Page 14 – 15.)
- When replacing the part in below table, be sure to perform the related adjustment.

Part replaced(◪)	Adjustment(▣)
IC351,IC501,D519,D520,D521 C531,C532,R387,R529,R530,R531, R532,R333,R550,T503.....A BOARD IC643,R661.....G BOARD	R530,R531

- Readings are taken with a color-bar signal input
- Readings are taken with a 10MΩ digital multimeter
- Voltages are DC with respect to ground unless otherwise noted
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V
  S Measurement impossibility.
- ▬▬ V B+line
- ▬ ▬ V . B-line
  (Actual measured value may be different)
- ⇨ signal path (RF)
- Circled numbers are waveform references

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: ※	ADJUSTMENT RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

Note:

The symbol display is on the component side.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

The symbol indicate fast operating fuse.
Replace only with fuse of same rating as maked.

Note:

Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Le symbole indique une fusible a action rapide. Doit etre remplacee par une fusible de meme yaleur, comme maque.

P BOARD IC VOLTAGE LIST

	pin	volt		pin	volt		pin	volt
IC3301	1	GND		20	3 0		13	NC
	2	NC		21	3 0		14	-3 0
	3	GND		22	4 7		15	GND
	4	4 0		23	GND		16	GND
	5	6 8		24	2 9		17	0 7
	6	GND	IC3302	IN	9 1		18	0 5
	7	0 2		OUT	5 3		19	0 2
	8	0	IC3303	1	GND		20	0 3
	9	1 8		2	3 2		21	5 1
	10	0.3		3	2 6		22	5 2
	11	8 2		4	2 3		23	NC
	12	8 2		5	5 1		24	NC
	13	3 9		6	GND		25	GND
	14	3 4		7	0 5		26	NC
	15	0		8	0		27	GND
	16	2 8		9	0 6		28	2.3
	17	NC		10	5 2		29	5 2
	18	2 5		11	2 1		30	2 6
	19	3 5		12	0 3		31	4 2
							32	2 5

All voltages are in V

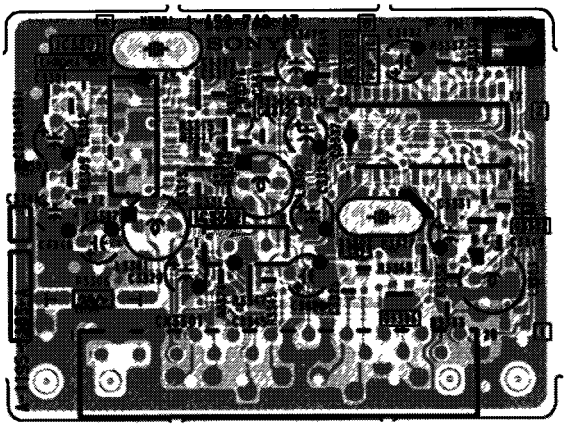
P BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q3301	5 3	9 1	4 7
Q3305	0 5	GND	1 2
Q3306	0 8	GND	1 4
Q3307	0 6	GND	1 3
Q3308	0	GND	2 8
Q3310	0	5 2	GND
Q3312	0	0	0 8
Q3313	0 8	0 4	GND

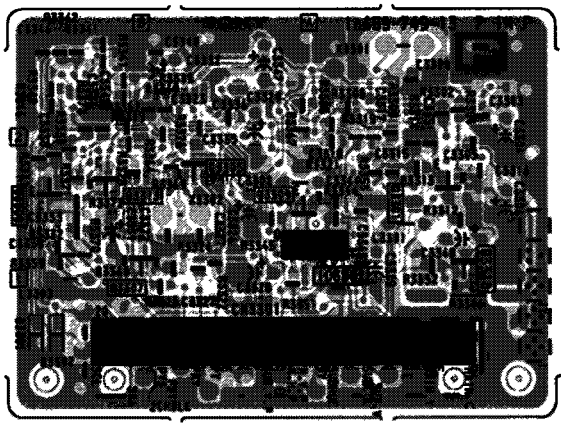
All voltages are in V

P [P in P]
(except KV-29V22M) — **P BOARD** —

< COMPONENT SIDE>

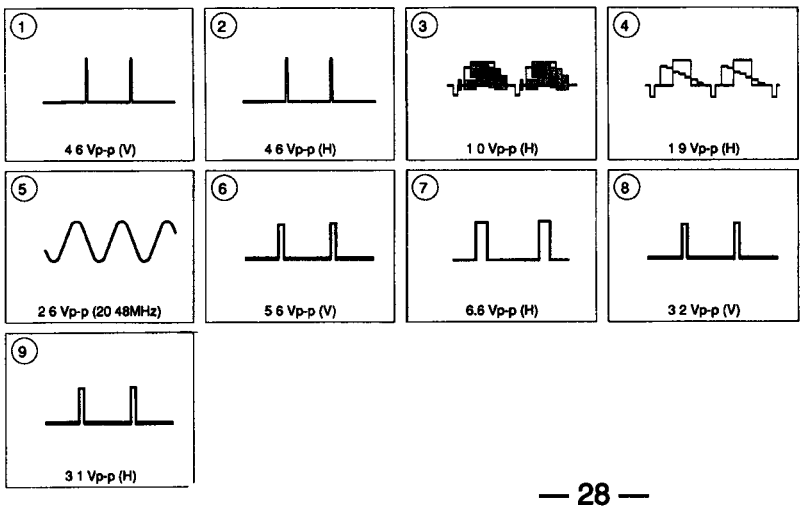


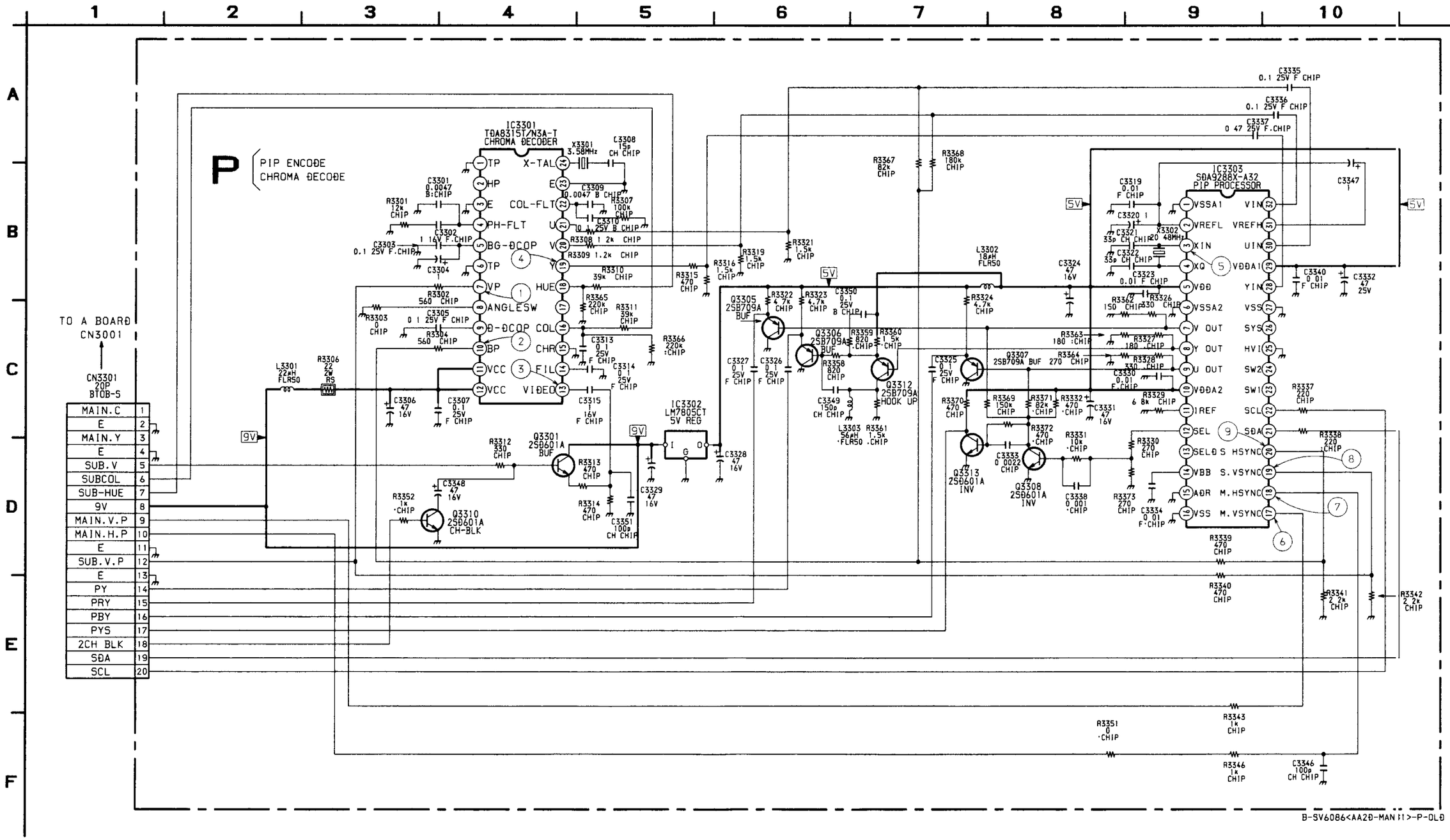
<CONDUCTOR SIDE>



- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

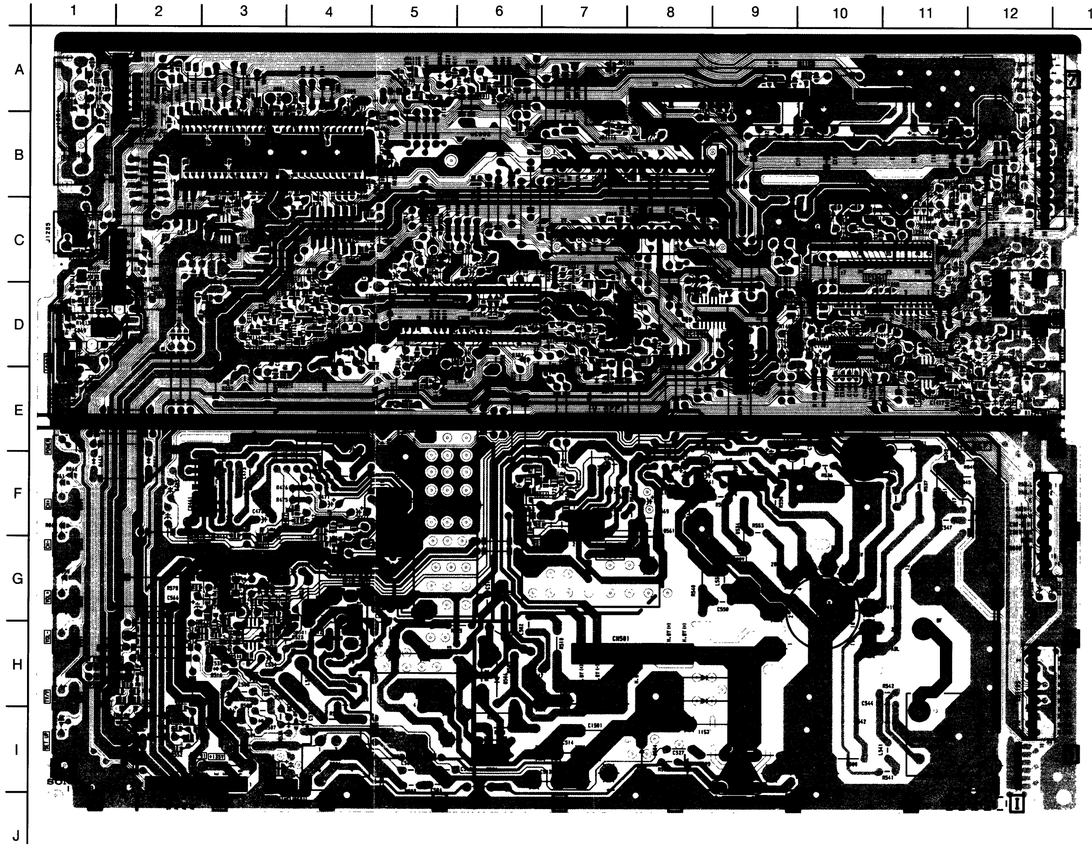
P BOARD WAVEFORMS




P
PIP ENCODE
CHROMA DECODE
IC3301
TDA8315T/N3A-T
CHROMA DECODER
X3301
3.58MHz
IC3303
SDA9288X-A32
PIP PROCESSOR
IC3302
LM7805CT
5V REG
TO A BOARD
CN3001
CN3301
20P
BTOB-S
MAIN.C 1
E 2
MAIN.Y 3
E 4
SUB.V 5
SUBCOL 6
SUB-HUE 7
9V 8
MAIN.V.P 9
MAIN.H.P 10
E 11
SUB.V.P 12
E 13
PY 14
PRY 15
PBY 16
PYS 17
2CH BLK 18
SDA 19
SCL 20
TP
HP
E
PH-FLT
BG-DCOP
TP
VP
ANGLESW
B-DCOP
BP
VCC
VCC
X-TAL
E
COL-FLT
U
V
Y
HUE
COL
CHR
FIL
VIDEO
VSSA1
VREFL
XIN
XO
VDD
VSSA2
V OUT
Y OUT
U OUT
VDDA2
IREF
SEL
SELO
VBB
ADR
VSS
VIN
VREFH
UIN
VDDA1
YIN
VSS
SYS
HVI
SW2
SW1
SCL
SDA
S HSYNC
S.VSYNC
M.HSYNC
M.VSYNC
Q3305 2SB709A BUF
Q3306 2SB709A BUF
Q3307 2SB709A BUF
Q3312 2SB709A HOOK UP
Q3301 2SD601A BUF
Q3308 2SD601A INV
Q3313 2SD601A INV
Q3310 2SD601A CH-BLK
5V
9V
B-SV6086<AA20-MAIN1>-P-OL0

A [MICON, Y/C/J, TUNER, VOL-CTL, AUDIO-AMP, PIN-MOD, V.DEF, H.DEF, AV-SW]

— A BOARD —



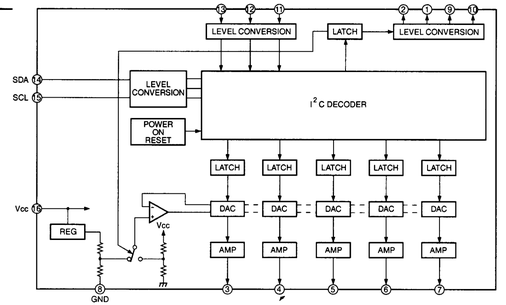
A BOARD LOCATOR LIST

DIODE		IC461	F-5
D001	A-5	IC501	H-3
D002	D-3	IC561	G-7
D003	A-5	IC1001	D-9
D004	C-2	IC1401	D-10
D011	A-5	IC1402	E-11
D013	C-5	TRANSISTOR	
D014	D-3	Q001	A-5
D015	C-4	Q002	C-4
D353	D-7	Q003	H-2
D356	E-3	Q004	H-1
D360	E-7	Q010	D-4
D362	E-7	Q011	D-3
D368	C-7	Q012	D-3
D462	F-1	Q013	D-4
D501	H -3	Q014	D-3
D502	H-9	Q015	D-3
D503	H-9	Q016	D-3
D504	I -8	Q017	A-5
D505	H-6	Q301	C-7
D506	H-6	Q302	C-7
D507	I-3	Q303	C -7
D515	H-5	Q354	D-7
D516	H -3	Q356	C-4
D518	I-4	Q357	E-5
D519	F-9	Q358	D-8
D520	G -3	Q461	G-3
D521	G-3	Q462	F-3
D530	F - 9	Q501	J-4
D531	E -11	Q502	J-9
D534	F -9	Q511	H-3
D561	F-8	Q512	H-4
D562	G-3	Q551	I-2
D1102	B-10	Q552	I-2
D1103	B-12	Q561	F-8
D1248	E-12	Q562	F-6
D1263	D -9	Q563	H-2
D1264	E -11	Q1102	A-11
IC		Q1103	A-10
IC001	B-4	Q1231	E-12
IC002	C-3	Q1232	E-12
IC351	D-5		

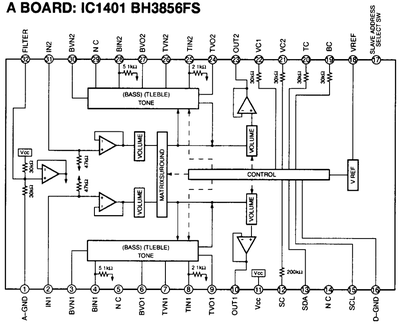
Schematic diagrams

← P board A board →

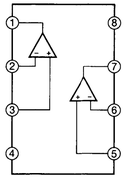
A BOARD: IC1001 CXA1315M



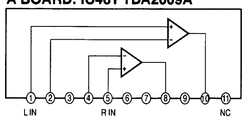
A BOARD: IC1401 BH3856FS



A BOARD: IC1402 NJM4558M



A BOARD: IC461 TDA2009A



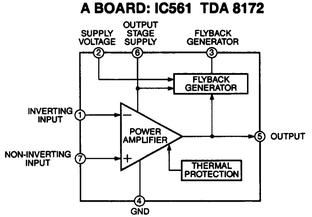
NOTE:
Portions of the circuit marked as shown are high voltage areas. Use care to prevent electric shocks during inspection or repair.

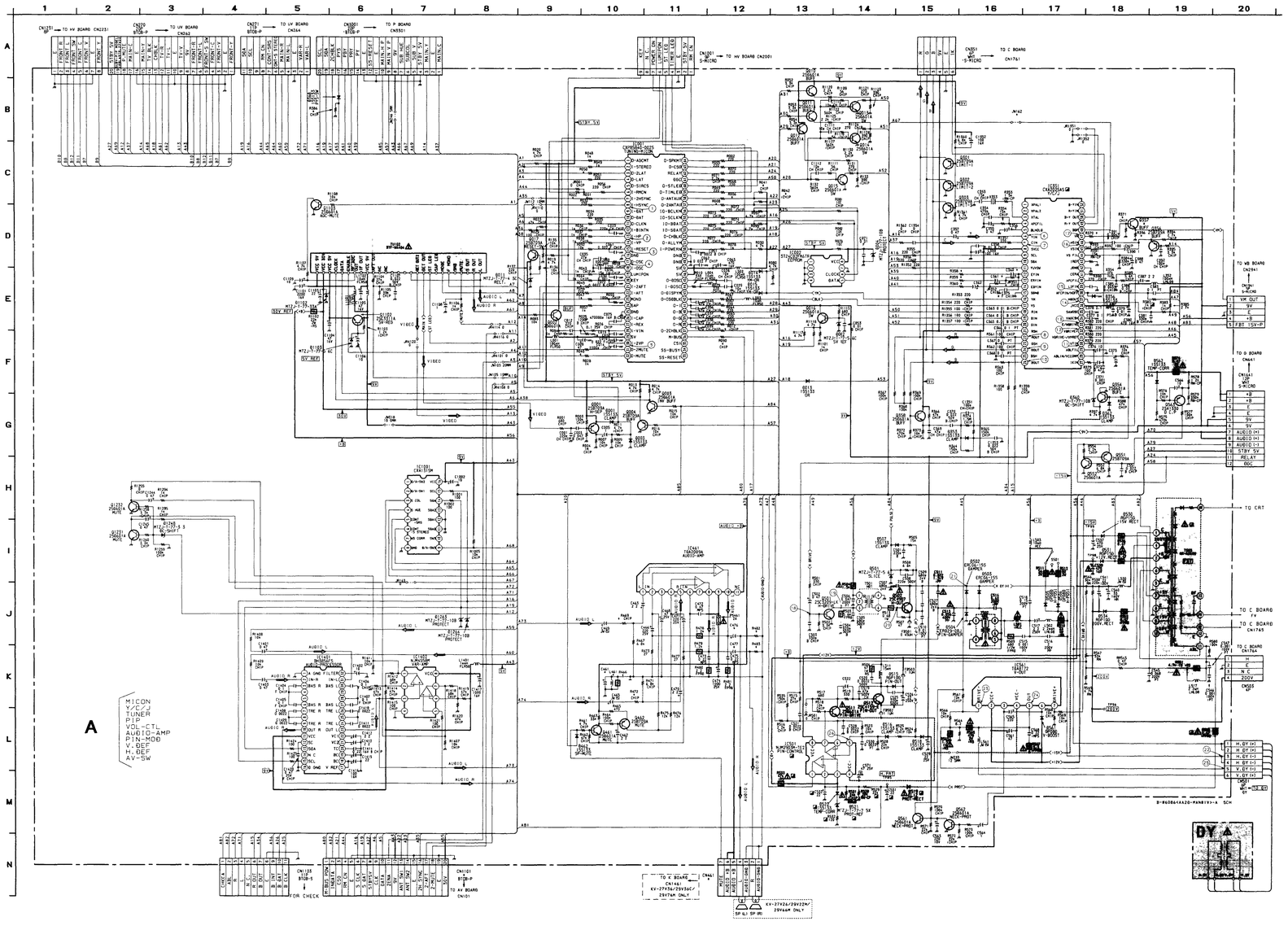
A BOARD * MARK LIST

	KV-29V22M	KV-27V26/ 29V66M	KV-27V36/29V36C/ 29V76M
C360	#	JW (5)	JW (5)
C361	#	JW (5)	JW (5)
C362	#	JW (5)	JW (5)
C375	0.1	#	#
C461	22/25V	22/25V	4.7
C476	1000/25V	1000/25V	JW (5)
C477	1000/25V	1000/25V	JW (5)
CN461	4P	4P	7P
CN1101	#	20P	20P
CN1941	#	#	5P
JR351	0	#	#
JR352	0	#	#
JW162	#	7.5	7.5
L461	10uH	10uH	18uH
Q357	#	#	2SD601A
R006	#	220	220
R008	#	220	220
R012	#	220	220
R022	JW (7.5)	10k	10k
R031	#	220	220
R040	#	220	220
R041	#	4.7k	4.7k
R042	#	4.7k	4.7k
R045	#	220	220
R050	#	220	220
R090	#	220	220
R358	#	220	220
R359	#	220	220
R360	#	220	220
R370	#	#	1k
R371	#	#	1.5k
R386	#	1k	1k
R396	#	#	1k
R466	2.2	2.2	1.5
R469	1.8k	1.8k	5.6k
R472	1.8k	1.8k	5.6k
R482	2.2k	2.2k	#
R483	2.2k	2.2k	#

#: NOT MOUNTED

A BOARD: IC561 TDA 8172





A BOARD IC VOLTAGE LIST

	pin	volt		pin	volt		pin	volt		pin	volt
IC001	1	0		42	0		11	0.3	IC461	1	1.5
	2	0		43	0		12	6.6		2	3.5
	3	0		44	3.0		13	6.3		3	12.2
	4	0		45	3.0		14	6.3		4	3.5
	5	0		46	5.0		15	GND		5	1.5
	6	5.0		47	5.0		16	0		6	0
	7	0		48	GND		17	0		7	0
	8	0		49	GND		18	5.2		8	0.3
	9	0.8		50	5.0		19	5.2		9	22.1
	10	0		51	0		20	5.2		10	0.3
	11	0		52	0		21	4.0		11	0
	12	5		53	4.9		22	2.2	IC501	1	3.4
	13	4.2		54	4.9		23	5.1		2	7.9
	14	1.3		55	4.9		24	1.8		3	8.3
	15	5		56	5.0		25	4.5		4	-16.5
	16	GND		57	5.0		26	2.3		5	2.3
	17	2.6		58	0		27	4.7		6	2.8
	18	*		59	3.7		28	1.7		7	-16
	19	3.1		60	0.5		29	6.8		8	12.6
	20	5		61	0		30	0.7	IC561	1	1.6
	21	2		62	4.8		31	3.1		2	12.6
	22	2		63	0		32	3.2		3	-14.5
	23	0		64	4.6		33	3.7		4	-16.6
	24	0	IC002	1	GND		34	4.5		5	0.0
	25	GND		2	GND		35	4.9		6	13.4
	26	0		3	GND		36	8.7		7	1.6
	27	1.6		4	GND		37	3.4	IC1001	1	0.0
	28	2.4		5	5.0		38	3.6		2	0.0
	29	5		6	5.0		39	4.1		3	3.2
	30	0.2		7	GND		40	4.3		4	2.8
	31	0		8	5.0		41	2.5		5	0.5
	32	0	IC351	1	NC		42	GND		6	0.6
	33	0		2	NC		43	2.6		7	3.8
	34	0		3	2.2		44	2.8		8	GND
	35	0		4	5.9		45	4.1		9	0
	36	0		5	4.1		46	3.3		10	0
	37	0		6	4.6		47	6.0		11	GND
	38	0		7	4.3		48	0.4		12	GND
	39	0		8	9.2		49	0		13	GND
	40	0		9	5.2		50	0		14	5
	41	0		10	5.2					15	5

IC1401 pin 1 GND; pin 2 12.2; pin 3 3.5; pin 4 1.5; pin 5 0; pin 6 0; pin 7 4.3; pin 8 4.3; pin 9 4.4; pin 10 4.4; pin 11 8.7; pin 12 3.8; pin 13 4.9; pin 14 0; pin 15 5; pin 16 0; pin 17 4; pin 18 4; pin 19 2; pin 20 2; pin 21 0; pin 22 0; pin 23 4.3; pin 24 4.3; pin 25 4.3; pin 26 4.3; pin 27 4.3; pin 28 4.3; pin 29 0; pin 30 4.3; pin 31 4.3; pin 32 5.6; IC1402 pin 1 4.2; pin 2 4.3; pin 3 4.3; pin 4 GND; pin 5 4.3; pin 6 4.3; pin 7 4.3; pin 8 8.7

All voltages are in V

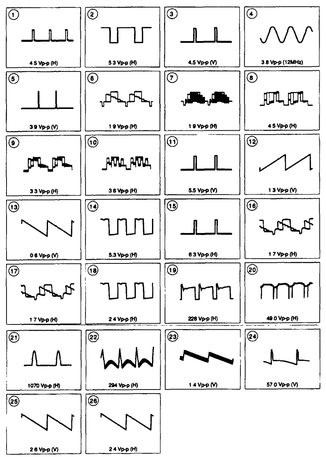
* Cannot be measured

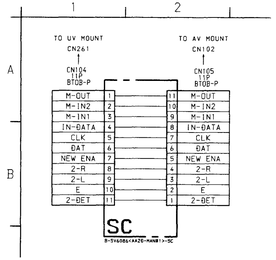
A BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q001	5.2	0.9	5.0
Q002	4.8	5.0	4.1
Q003	-0.4	4.2	GND
Q004	0.6	GND	1.3
Q010	0	8.7	0
Q011	0	8.7	0
Q012	0	8.7	0
Q013	-0.2	0	GND
Q014	-0.2	0	GND
Q015	-0.2	0	GND
Q016	5.8	8.7	5.1
Q017	4.4	5.0	5.0
Q301	4.0	GND	2.2
Q302	4.0	GND	1.8
Q303	4.0	GND	2.0
Q354	0.2	GND	-0.5
Q356	4.9	GND	5.6
Q357	3.8	8.7	0
Q358	1.9	8.7	2.0
Q461	0.8	0	0
Q462	20.0	20.6	20.7
Q501	-0.7	105.6	GND
Q502	-0.27	130.8	0
Q511	-14.9	-13.0	-15.1
Q512	-15.1	-22	-15.9
Q551	4.2	0	4.8
Q552	0	4.2	0
Q561	0.02	2.9	0
Q562	0.06	0.02	0
Q563	134.3	0.4	134.7
Q1102	6.0	9.2	5.3
Q1103	0	2.5	GND
Q1231	0	0	GND
Q1232	0	0	GND

All voltages are in V

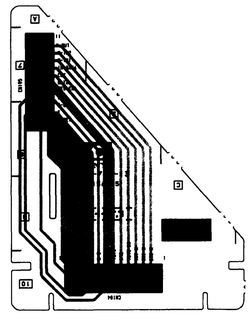
A BOARD WAVEFORMS


1 4.5 Vp-p (H)
2 3.2 Vp-p (H)
3 4.5 Vp-p (V)
4 3.8 Vp-p (12MHz)
5 3.9 Vp-p (V)
6 1.9 Vp-p (H)
7 1.9 Vp-p (H)
8 4.5 Vp-p (H)
9 3.3 Vp-p (H)
10 3.6 Vp-p (H)
11 5.5 Vp-p (V)
12 1.3 Vp-p (V)
13 0.6 Vp-p (V)
14 5.3 Vp-p (H)
15 6.5 Vp-p (H)
16 1.7 Vp-p (H)
17 1.7 Vp-p (H)
18 2.4 Vp-p (H)
19 220 Vp-p (H)
20 48.0 Vp-p (H)
21 1070 Vp-p (H)
22 294 Vp-p (H)
23 1.4 Vp-p (V)
24 57.0 Vp-p (V)
25 2.6 Vp-p (V)
26 2.4 Vp-p (H)



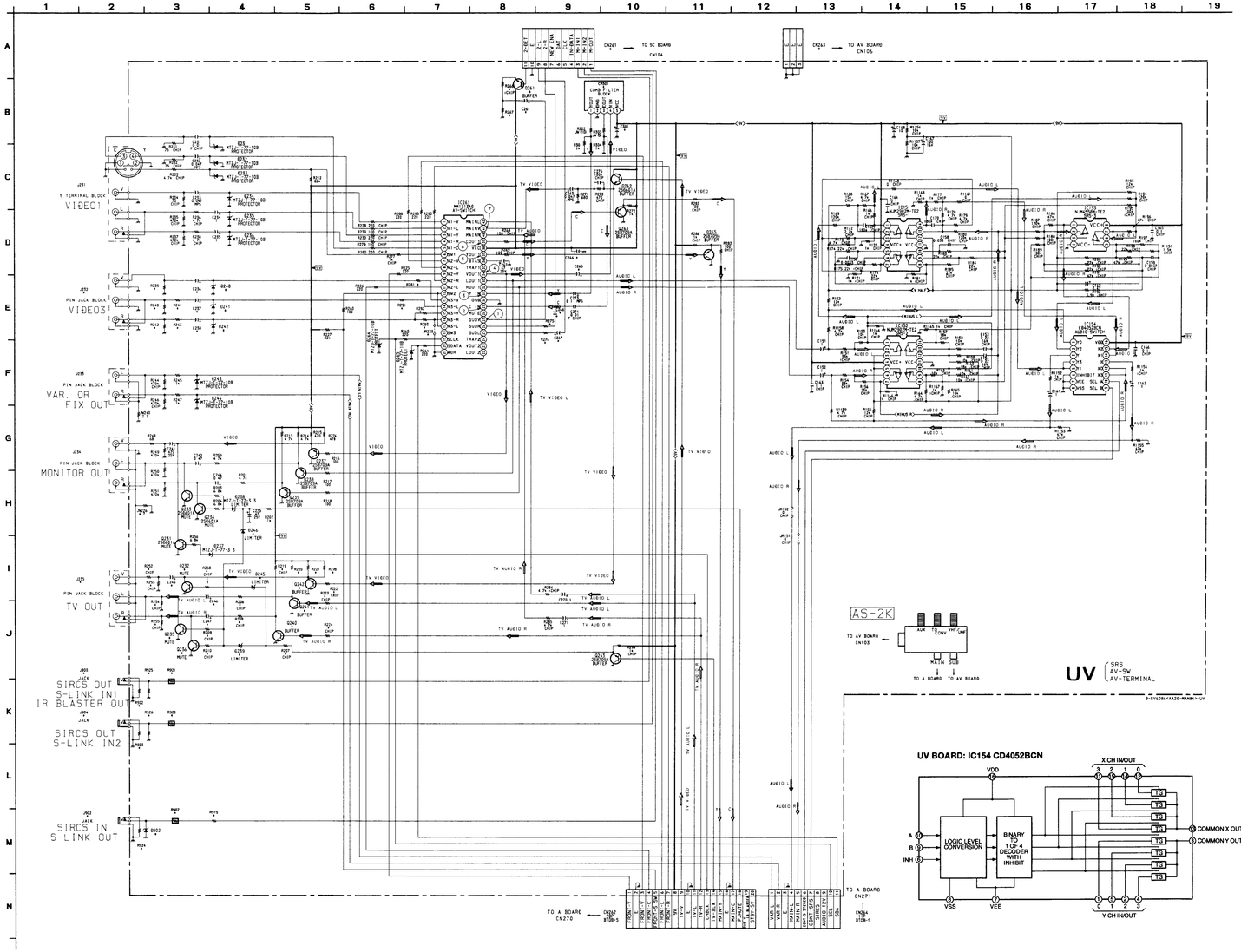
SC (except KV-29V22M)

— SC BOARD —



Schematic diagrams

← A board UV board →



— 40 —

— 41 —

UV BOARD: IC154 CD4052BCN

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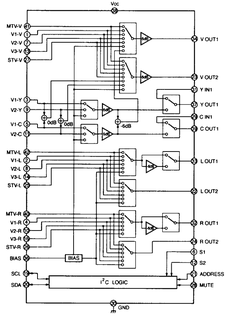
UV BOARD IC1261 MM1313AD



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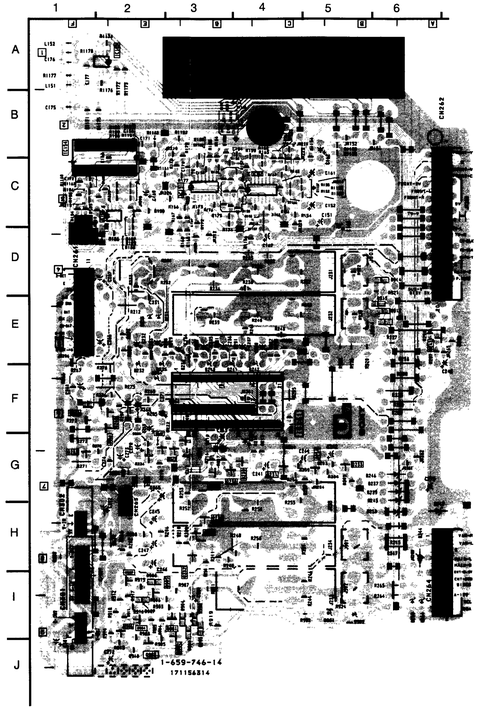
UV BOARD* MARK LIST

	KV-29V23M	KV-27V26/29V86M	KV-27V36/29V36/29V76M
C236	#	0.047	0.047
C237	#	1	1
C238	#	1	#
C245	#	#	470 25V
C246	#	#	0.47
C247	#	#	0.47
C261	#	#	0.047
C264	100/16V	470/25V	470/25V
C265	47/16V	47/25V	47/25V
C266	#	#	1
C267	#	#	#
C301	100/16V	470/16V	470/16V
CM301	1-473-548-11	1-467-554-51	1-467-554-51
CN261	#	11P	11P
CN263	#	3P	3P
D239	#	#	MTZJ-T-77-3.3
D240	#	RD10ES-T1B	RD10ES-T1B
D241	#	RD10ES-T1B	RD10ES-T1B
D242	#	RD10ES-T1B	RD10ES-T1B
D245	#	#	MTZJ-T-77-3.3
D246	#	#	MTZJ-T-77-3.3
D902	#	MTZJ-T-77-6.2	MTZJ-T-77-6.2
J232	#	1-750-517-11 3P	1-750-517-11 3P
J233	#	#	1-750-517-11 3P
J902	#	SIRCS-JACK	SIRCS-JACK
J903	#	SIRCS-JACK	SIRCS-JACK
J904	#	SIRCS-JACK	SIRCS-JACK
JR233	0	#	#
Q232	#	#	2SD601A
Q235	#	#	2SD601A
Q236	#	#	2SD601A
Q240	#	#	2SB709A
Q241	#	#	2SB709A
Q242	#	#	2SB709A
Q261	#	#	2SD601A
R205	#	#	1k
R207	#	#	0
R208	#	#	1k
R209	#	#	6.8k
R210	#	#	6.8k
R219	#	#	4.7k
R220	#	#	4.7k
R221	#	#	470
R222	#	#	100
R223	#	#	100
R224	#	#	100
R239	#	75	75
R240	#	470k	470k
R241	#	4.7k	4.7k
R242	#	470k	470k
R243	#	4.7k	4.7k
R252	#	#	56
R253	#	#	470k
R254	#	#	470k
R255	#	#	470k
R258	#	#	6.8k
R266	#	#	560
R267	#	#	680
R275	#	#	4.7k
R276	#	#	4.7k
R278	#	#	470
R281	#	220	220
R291	#	100	100
R292	100	#	#
R293	#	100	100
R902	#	100	100
R919	#	0	0
R920	#	100	100
R921	#	100	100
R922	#	1k	1k
R923	#	1k	1k
R924	#	1k	1k
R925	#	3.3k	3.3k
R926	#	3.3k	3.3k

NOT MOUNTED

— UV BOARD —



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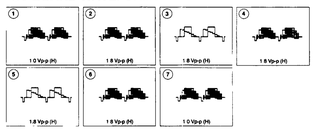
UV BOARD

DIODE	
D231	E-2
D232	F-2
D233	E-2
D234	F-2
D235	E-2
D236	E-3
D237	G-6
D238	G-6
D239	G-6
D240	E-3
D241	E-3
D242	E-4
D243	G-6
D244	H-6
D245	G-6
D246	G-6
D264	I-6
D265	I-6
D902	I-5
IC	
IC151	C-3
IC152	C-4
IC153	C-2
IC154	C-2
IC261	F-4
TRANSISTOR	
Q231	G-4
Q232	H-3
Q233	G-5
Q234	G-5
Q235	H-3
Q236	H-3
Q237	G-3
Q238	G-3
Q239	G-4
Q240	G-2
Q241	G-3
Q242	G-3
Q243	E-6
Q261	F-1
Q262	G-1
Q263	F-2
Q265	F-2

UV BOARD WAVEFORMS



UV BOARD IC VOLTAGE LIST

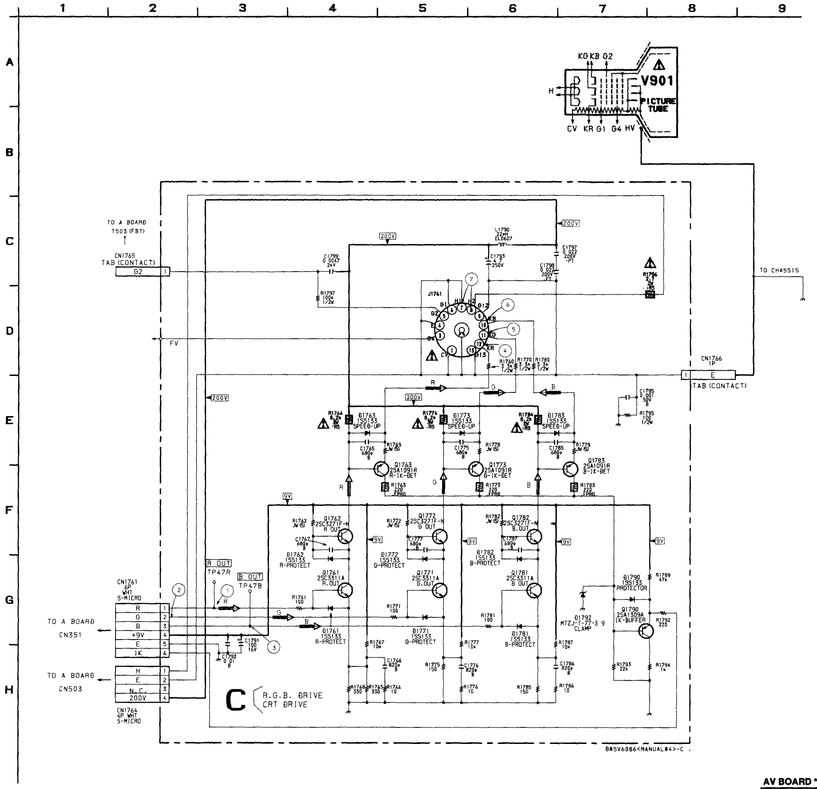
	pin	volt		pin	volt
IC151	1	4.4		12	4.4
	2	4.4		13	4.4
	3	4.4		14	4.4
	4	8.7		15	4.4
	5	4.4		16	8.7
	6	4.4	IC261	1	4.8
	7	4.4		2	4.2
	8	4.4		3	4.8
	9	4.4		4	4.2
	10	4.4		5	4.8
	11	GND		6	4.5
	12	4.4		7	4.8
	13	4.4		8	4.2
	14	4.4		9	4.8
IC152	1	4.4		10	4.2
	2	4.4		11	4.9
	3	4.4		12	5.8
	4	8.7		13	4.8
	5	4.4		14	4.2
	6	4.4		15	0
	7	4.4		16	4.2
	8	4.4		17	5.8
	9	4.4		18	NC
	10	4.4		19	5.0
	11	GND		20	4.9
	12	4.4		21	GND
	13	4.4		22	NC
	14	4.4		23	6.7
IC153	1	4.4		24	NC
	2	4.4		25	4.2
	3	4.4		26	4.2
	4	GND		27	6.1
	5	4.4		28	NC
	6	4.4		29	4.8
	7	4.4		30	GND
	8	8.7		31	5.6
IC154	1	4.4		32	4.1
	2	4.4		33	4.1
	3	4.4		34	5.0
	4	4.4		35	NC
	5	4.4		36	4.2
	6	GND		37	4.3
	7	GND		38	8.7
	8	GND		39	3.4
	9	0.5		40	4.2
	10	0.5		41	5.2
	11	4.4		42	4.2

All voltages are in V

UV BOARD TRANSISTOR VOLTAGE LIST

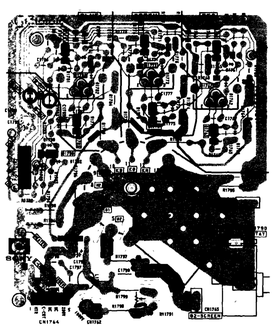
	B	C	E
Q231	0	5.7	GND
Q232	0.2	4.9	GND
Q233	0	0	GND
Q234	0	0	GND
Q235	0	0	GND
Q236	0	0	GND
Q237	5.0	GND	5.7
Q238	4.1	GND	4.7
Q239	4.1	GND	4.7
Q240	4.4	GND	5.0
Q241	4.4	GND	5.0
Q242	4.3	GND	4.9
Q243	0.2	GND	0.9
Q261	4.6	5.7	4.0
Q262	4.9	5.7	4.2
Q263	3.4	GND	4.1
Q265	4.3	GND	4.9

All voltages are in V



C [R,G,B DRIVE, CRT DRIVE]

— C BOARD —

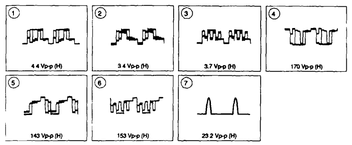


C BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q1761	2.2	8.2	1.7
Q1762	8.7	134.1	8.2
Q1763	134.1	2.3	132.0
Q1771	1.8	8.2	1.3
Q1772	8.7	146.4	8.2
Q1773	146.4	2.3	144.1
Q1781	2.1	8.2	1.6
Q1782	8.7	133.7	8.2
Q1783	133.7	2.3	131.5
Q1790	2.2	0.2	2.5

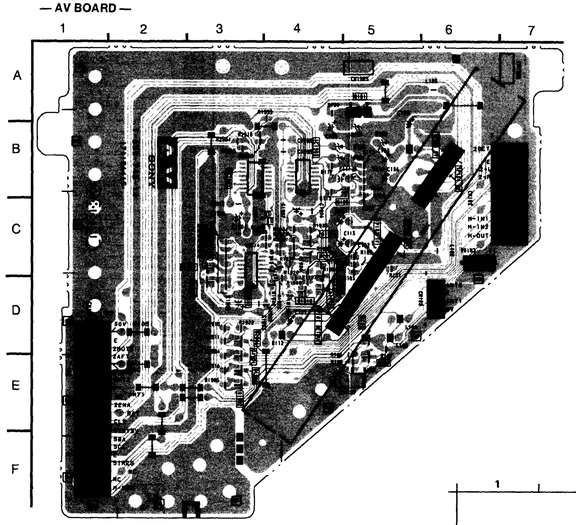
All voltages are in V

C BOARD WAVEFORMS



AV [2ND-TUNER, S-LINK] (except KV-29V22M)

— AV BOARD —



AV BOARD * MARK LIST

	KV-27V36/29V36C 29V76M	KV-27V26/ 29V66M
C101	1	#
C102	0.0022	#
C104	10	#
C106	47/25V	#
C108	100/16V	#
C109	220P	#
C110	0.047	#
C111	1	#
C113	220/16V	#
CN103	4P	#
D101	MTZJ-T-77-5.6C	#
D103	1SS133	#
D104	1SS133	#
L102	10UH	#
L103	JW(5)	#
L104	JW(5)	#
L105	100uH	#
Q101	2SC3311A	#
Q103	2SB709A	#
Q104	2SB709A	#
Q105	2SB709A	#
R101	4.7k	#
R102	27k	#
R103	39k	#
R104	680	#
R106	22k	#
R107	22k	#
R108	22k	#
R109	22k	#
R112	2.2k	#
R113	100k	#
R114	1M	#
R115	10k	#
R116	10k	#
R117	4.7k	#
TU101	BTF-LA402	#

NOT MOUNTED

AV BOARD IC VOLTAGE LIST

	pin	volt		pin	volt
IC1901	1	0.2		7	0
	2	0.2		8	1.3
	3	NC		9	0
	4	NC		10	GND
	5	NC		11	GND
	6	NC		12	GND
	7	NC		13	GND
	8	GND		14	0.2
	9	NC	IC1903	1	GND
	10	NC		2	GND
	11	8.7		3	NC
	12	GND		4	5.0
	13	GND		5	NC
	14	4.9		6	0.2
	15	5.0		7	5.0
	16	8.7		8	0.4
IC1902	1	0.2		9	NC
	2	0.2		10	0.4
	3	5.0		11	0
	4	1.3		12	0
	5	0		13	5.0
	6	1.3		14	NC

All voltages are in V

AV BOARD TRANSISTOR VOLTAGE LIST

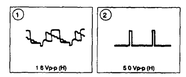
	B	C	E
Q101	5.8	8.7	5.1
Q103	4.3	4.9	5.0
Q104	5.0	0	5.0
Q105	5.0	0.8	5.0
Q1901	5.0	0	0
Q1902	5.0	0	0
Q1906	5.0	0	0
Q1908	5.0	0	0
Q1911	0	5.0	0
Q1912	0.7	0	GND
Q1914	4.9	0	5.0
Q1916	0.2	5.0	0
Q1917	0.2	5.0	0

All voltages are in V

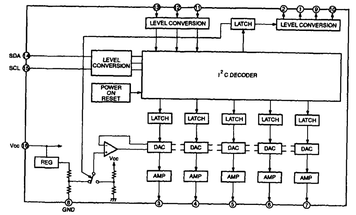
AV BOARD

DIODE	
D101	B-5
D103	B-4
D104	B-4
IC	
IC1901	B-3
IC1902	C-3
IC1903	B-4
TRANSISTOR	
Q101	A-5
Q103	D-5
Q104	D-5
Q105	B-4
Q1901	D-3
Q1902	E-3
Q1906	D-3
Q1908	E-3
Q1911	C-4
Q1912	C-4
Q1914	C-4
Q1916	C-3
Q1917	C-3

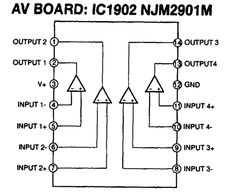
AV BOARD WAVEFORMS

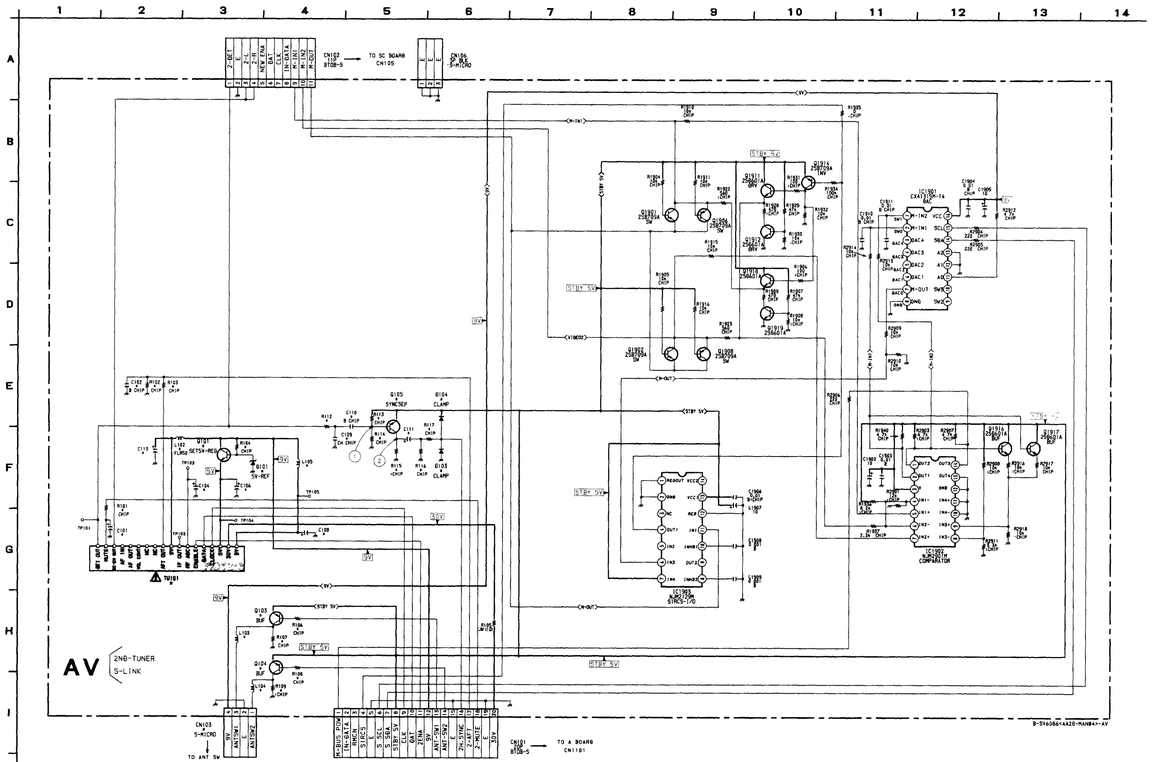


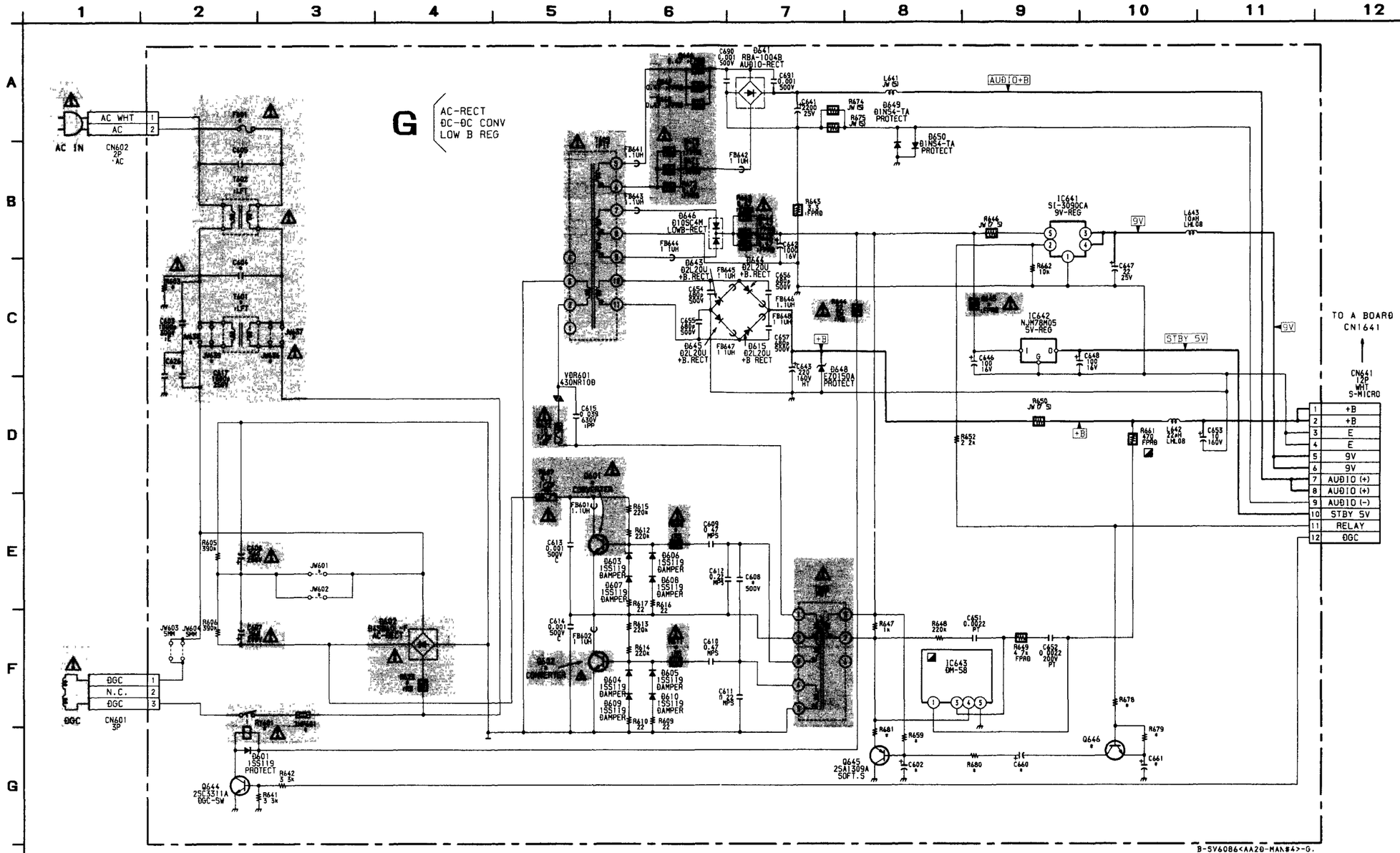
AV BOARD:IC1901 CXA1315M



AV BOARD: IC1902 NJM2901M

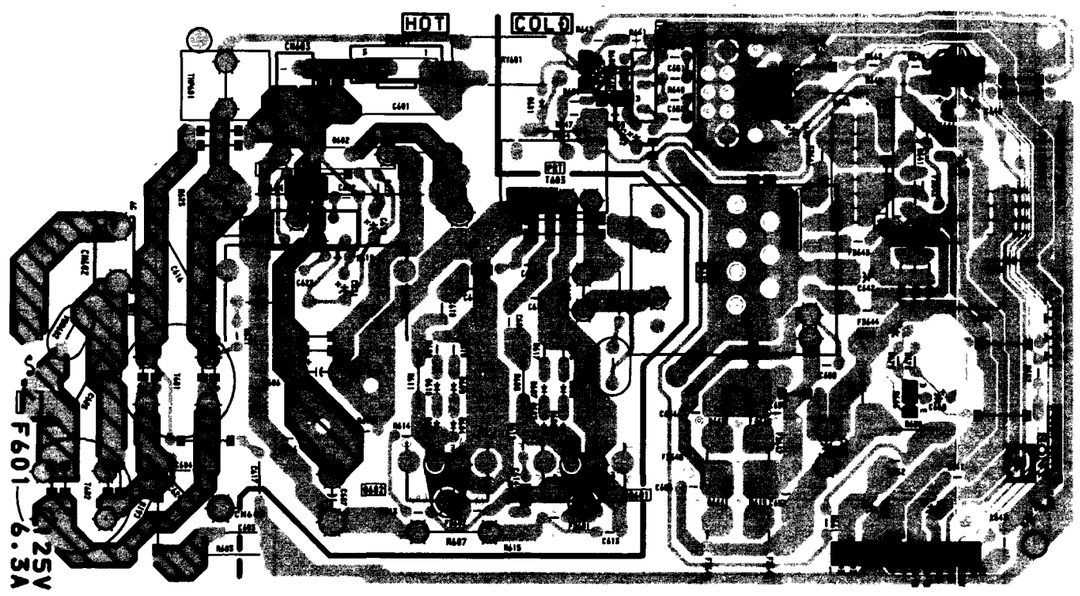






G [AC-RECT, DC-DC CONV., LOW B REG]

— G BOARD —



G BOARD IC VOLTAGE LIST

	pin	volt
IC641	1	GND
	2	3.9
	3	8 9
	4	8.9
	5	10 5
IC642	IN	9.5
	OUT	5.0
IC643	1	135
	2	NC
	3	2.5
	4	7 8
	5	GND

All voltages are in V

G BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q601	145.2	294.0	147.5
Q602	-1 7	147.5	GND
Q644	-0.3	10 5	GND
Q645	7.0	GND	7.6
Q646	4.8	7,4	4.8

All voltages are in V

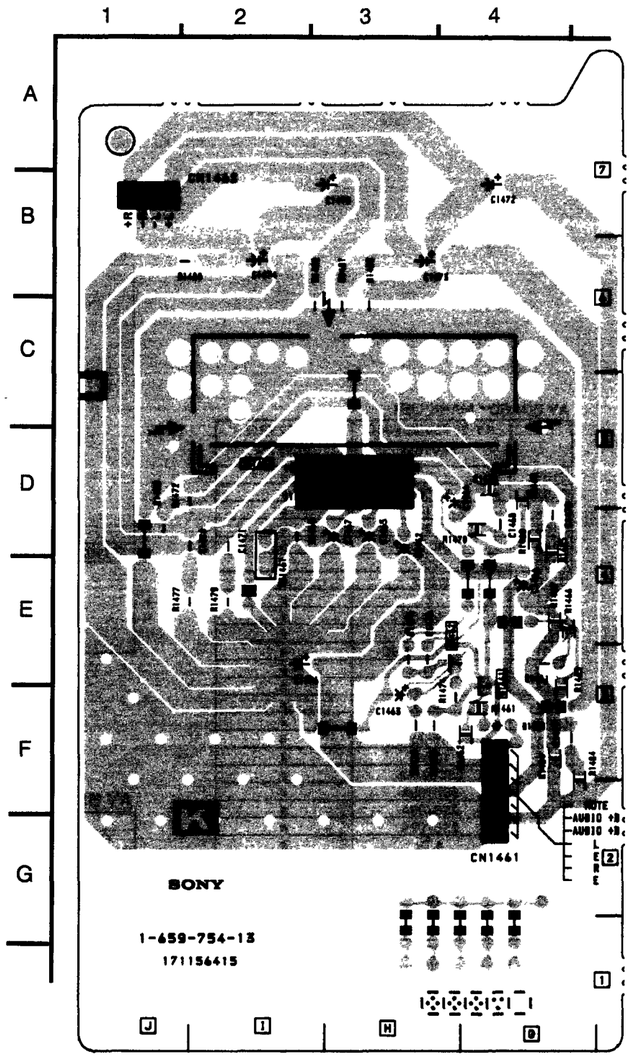
G BOARD * MARK LIST

	KV-27V26/27V36 29V22M/29V66M/29V76M	KV-29V36C
C602	#	4.7
C604	.22/125V	#
C605	.22/125V	.22/300V
C608	680p/500V	.001/500V
C626	JW(7.5)	100p/250V
C660	JW(5)	#
C661	4.7	#
F601	6.3A/125V	6.3A/250V
JW601	5MM	#
JW602	5MM	#
JW636	#	10MM
JW637	#	10MM
JW638	#	10MM
JW639	#	10MM
Q601	2SC4834MNP	2SC4834NP
Q602	2SC4834MNP	2SC4834NP
Q646	2SC3311A	#
R603	2.2M 1/2W	8.2M/1W
R608	1.8 2W	1 2W
R611	1.8 2W	1 2W
R623	1 20W	3.9 20W
R645	JW(5)	10 1/2W
R659	#	10k
R678	22k	#
R679	22k	#
R680	10k	#
R681	150	JW (5)
RY601	1-755-146-11	1-755-018-11
T601	1-426-717-11	#
T602	1-424-220-11	1-426-717-11
THP601	1-809-539-11	1-809-827-11

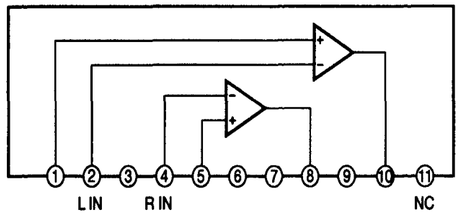
#: NOT MOUNTED

K [AUDIO AMP]
(KV-27V36/29V36C/29V76M ONLY)

— K BOARD —



K BOARD: IC1461 TDA2009A



K BOARD IC VOLTAGE LIST

	pin	volt
IC1461	1	1.5
	2	4 2
	3	12.2
	4	4.5
	5	1 5
	6	GND
	7	NC
	8	0.2
	9	22 1
	10	0 2
	11	NC

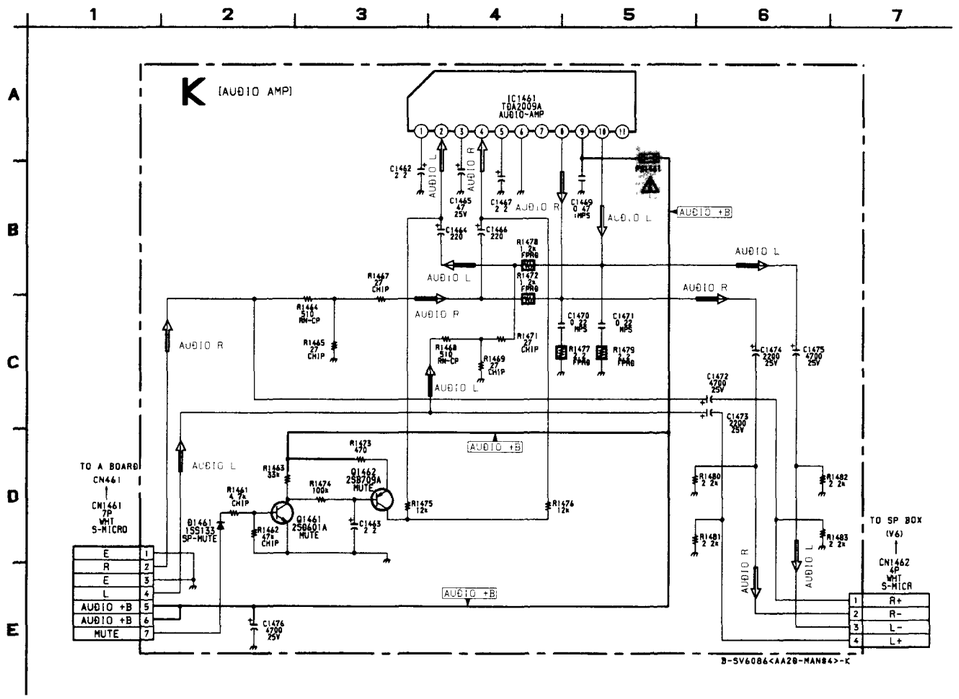
All voltages are in V

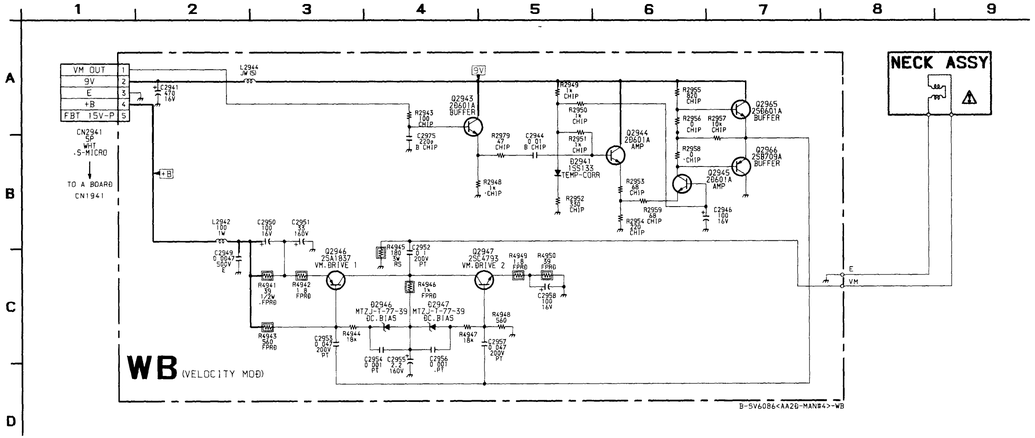
K BOARD TRANSISTOR VOLTAGE LIST

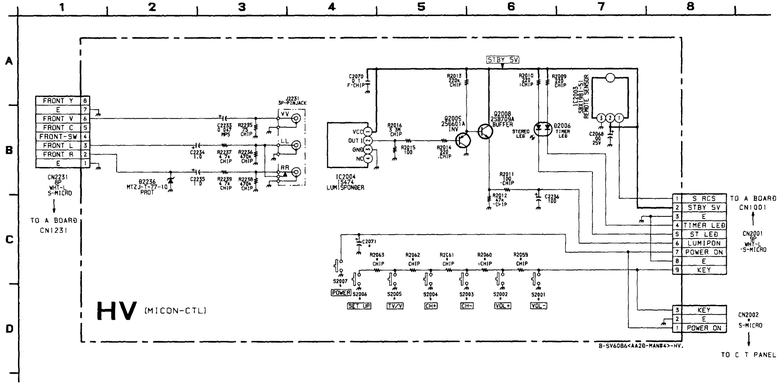
	B	C	E
Q1461	0.7	0	GND
Q1462	20 0	20.7	20 7

All voltages are in V

(KV-27V36/29V36C/29V76M ONLY)







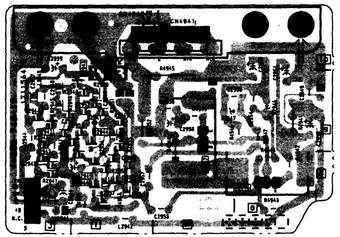
HV BOARD * MARK LIST

	KV-27V26/ 29V22M/29V66M	KV-27V36/ 29V36C/29V76M
C2071	#	0.47
CN2002	#	3P
R2059	820	#
R2060	1K	#
R2061	1.8K	#
R2062	4.7K	#
R2063	10K	#
S2001	TACTILE-SW	#
S2002	TACTILE-SW	#
S2003	TACTILE-SW	#
S2004	TACTILE-SW	#
S2005	TACTILE-SW	#
S2006	TACTILE-SW	#
S2007	TACTILE-SW	#

#:NOT MOUNTED

WB [VELOCITY MOD.] (KV-27V36/29V36C/29V76M ONLY)

— WB BOARD —



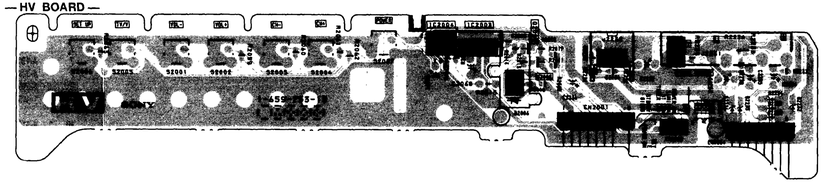
WB BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q2943	3.1	9.0	2.4
Q2944	2.7	9.0	2.1
Q2945	2.8	5.8	2.1
Q2946	134.0	67.4	135.0
Q2947	1.8	67.4	0.5
Q2965	5.8	9.0	5.9
Q2966	5.8	GND	5.9

All voltages are in V

HV [MICON-CTL]

— HV BOARD —



HV BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q2008	4.5	5.0	1.5
Q2009	0.4	GND	4.5

All voltages are in V

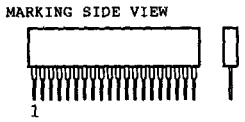
HV BOARD IC VOLTAGE LIST

	pin	volt
IC2003	1	5.0
	2	5.0
	3	GND
IC2004	1	5.0
	2	0.5
	3	GND
	4	NC

All voltages are in V

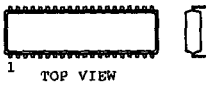
4-4. SEMICONDUCTORS

BH3856FS-E2



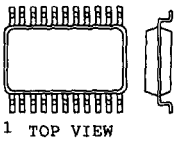
32PIN SIP

CD4052BCN



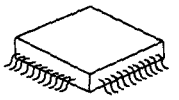
16PIN DIP

CXA1315M



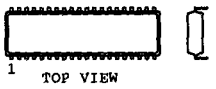
16PIN SOP

CXA-2019Q-T4



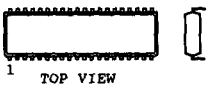
40PIN

CXA2025AS



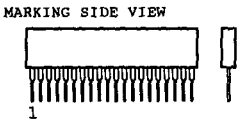
48PIN DIP

CXP85640-002S



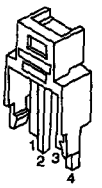
64PIN DIP

DM-58

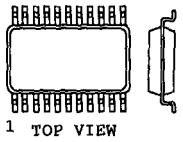


4PIN SIP

IS474

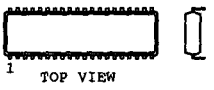


LM290IM



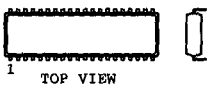
14PIN SOP

M5216P



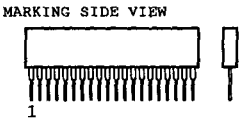
8PIN DIP

MM1313AD



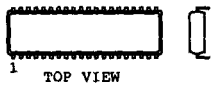
42PIN DIP

NJM2129M-TE2



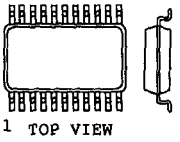
14PIN SIP

NJM2902M



14PIN DIP

NJM2903M
NJM2904M
ST24CO2FM6TR
UPC4558G2

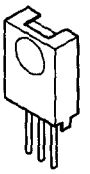


8PIN SOP

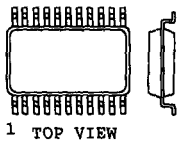
NJM78M05FA
TA7805S

C087

SBX1790-51

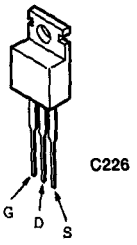


SDA9288X



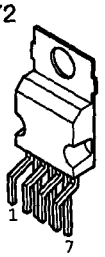
C32S

IRF614



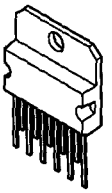
C226

TDA8172



C241

TDA2009A



C226

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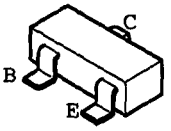
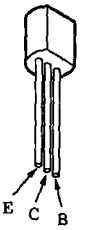
2SA1162-G
2SA1130-06
2SD601A-Q



T095

2SA1091-0



T012

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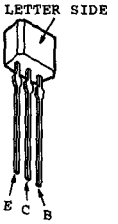
2SC2785-HFE

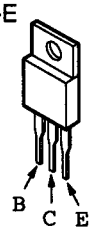


T099

Schematic diagrams

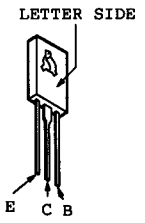
← WB HV boards

2SA1837
2SC4159-E



T046

2SC2611



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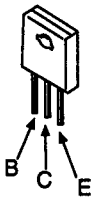
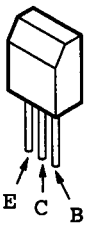


2SC3209LK

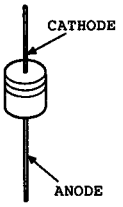


T075

D10SC4M

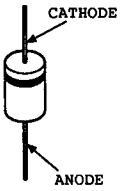
D216

D1NS4
MTZJ-3.3
MTZJ-33A
MTZJ-6.2B
MTZJ-7.5B
RD10ESB2
RD39ES-B2
RD5.6ESB2
1SS19-25



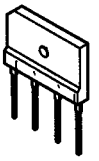
D026

D2L2OU
EL1Z
EZ0150AV1
GP08D
MTZJ-T-77-3.9
RGP02-17EL-6433



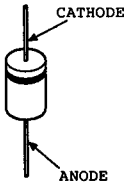
D032

D4SB60L
RBA-1004B



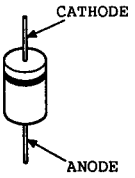
D029

ERC06-15S
ISSI33T-77



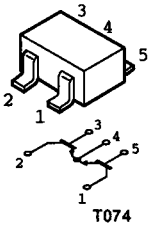
D030

ERD29-08J



D095

FMGAT148
2SC5418



T074

SECTION 5
EXPLODED VIEWS

• Items with no part number and no description are not stocked because they are seldom required for routine service.
• The component parts of an assembly are indicated by the reference numbers in the remarks column.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Note:

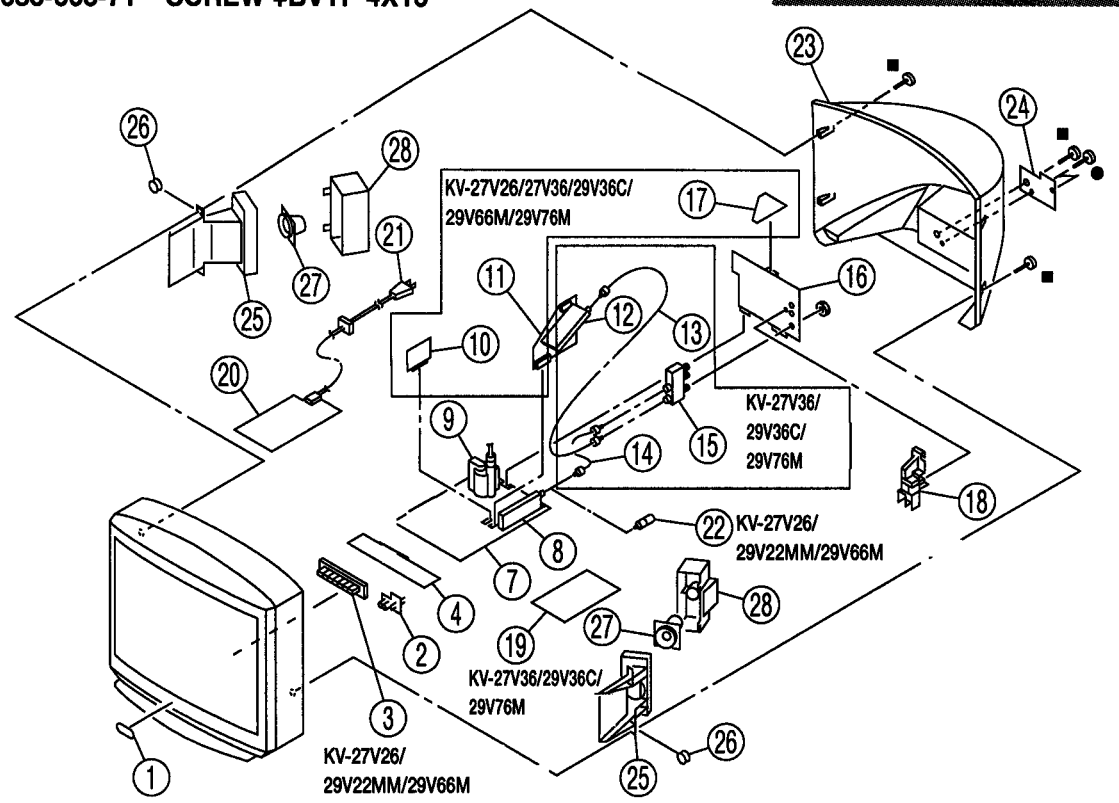
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque ⚠ sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.

5-1. CHASSIS

■ **7-685-663-71 SCREW +BVTP 4X16**



REF.NO.		PART NO.	DESCRIPTION	REMARK
1		4-046-160-01	EMBLEM (NO.9), SONY	
2	*	4-052-897-01	GUIDE, LED	
3		4-052-907-01	BUTTON, MULTI (KV-27V26/29V22M/29V66M)	
4	*	A-1372-337-A	HV BOARD, COMPLETE (KV-27V26/29V22M/29V66M)	
4	*	A-1372-346-A	HV BOARD, COMPLETE (KV-27V36/29V36C/29V76M)	
7	*	A-1298-111-A	A BOARD, COMPLETE (KV-29V22M)	
7	*	A-1298-112-A	A BOARD, COMPLETE (KV-27V26/29V66M)	
7	*	A-1298-127-A	A BOARD, COMPLETE (KV-27V36/29V36C/29V76M)	
8	⚠	8-598-340-00	TUNER BTF-WA404	
9	⚠	1-453-207-11	TRANSFORMER ASSY, FLYBACK (NX-2609//X4C)	
10	*	A-1195-103-A	P BOARD, COMPLETE (EXCEPT 29V22M)	
11	*	A-1297-720-A	AV BOARD, COMPLETE (KV-27V36/29V36C/29V76M)	
11	*	A-1297-850-A	AV BOARD, COMPLETE (KV-27V26/29V66M)	
12	⚠	8-598-339-00	TUNER BTF-LA402 (KV-27V36/29V36C/29V76M)	
13	*	1-557-056-31	CABLE, P-P (KV-27V36/29V36C/29V76M)	
14	*	1-556-945-21	CABLE, P-P (KV-27V36/29V36C/29V76M)	
15		8-598-414-00	SWITCH, ANTENNA AS-2F (KV-27V36/29V36C/29V76M)	
16	*	A-1394-856-A	UV BOARD, COMPLETE (KV-29V22M)	
16	*	A-1394-857-A	UV BOARD, COMPLETE (KV-27V26/29V66M)	
16	*	A-1394-858-A	UV BOARD, COMPLETE (KV-27V36/29V36C/29V76M)	
17	*	A-1390-585-A	SC BOARD, COMPLETE (except KV-29V22M)	
18	*	4-052-905-01	BRACKET, V5/6 (KV-27V36/29V36C/29V76M)	
19	*	A-1380-518-A	K BOARD, COMPLETE (KV-27V36/29V36C/29V76M)	
20	*	A-1316-252-A	G BOARD, COMPLETE (KV-29V36C)	
20	*	A-1316-261-A	G BOARD, COMPLETE (except KV-29V36C)	
21	⚠	1-751-059-11	CORD POWER (WITH CONNECTOR) (except KV-29V36C)	
21	⚠	1-769-796-41	CORD POWER (WITH CONNECTOR) (KV-29V36C)	
22		1-766-374-11	PLUG, F-PIN (KV-27V26/29V22M/29V66M)	
23		4-053-784-03	COVER, REAR (KV-27V36/29V36C/29V76M)	
23		4-053-784-23	COVER, REAR (KV-27V26/29V22M/29V66M)	
24		4-053-783-01	LABEL, TERMINAL (KV-29V22M)	
24		4-052-898-11	LABEL, TERMINAL (KV-27V36/29V36C/29V76M)	
24		4-052-899-11	LABEL, TERMINAL (KV-27V26/29V66M)	
25		4-043-457-11	BAFFLE, SPEAKER	
26		4-374-745-31	CUSHION (A)	
27		1-504-524-11	SPEAKER (8CM) (KV-27V26/29V22M/29V66M)	
27		1-505-326-11	SPEAKER (8CM) (KV-27V36/29V36C/29V76M)	
28		X-4032-226-1	COVER ASSY, SPEAKER (KV-27V26/29V22M/29V66M)	
28		X-4033-616-1	COVER ASSY, SPEAKER (KV-27V36/29V36C/29V76M)	

Note:

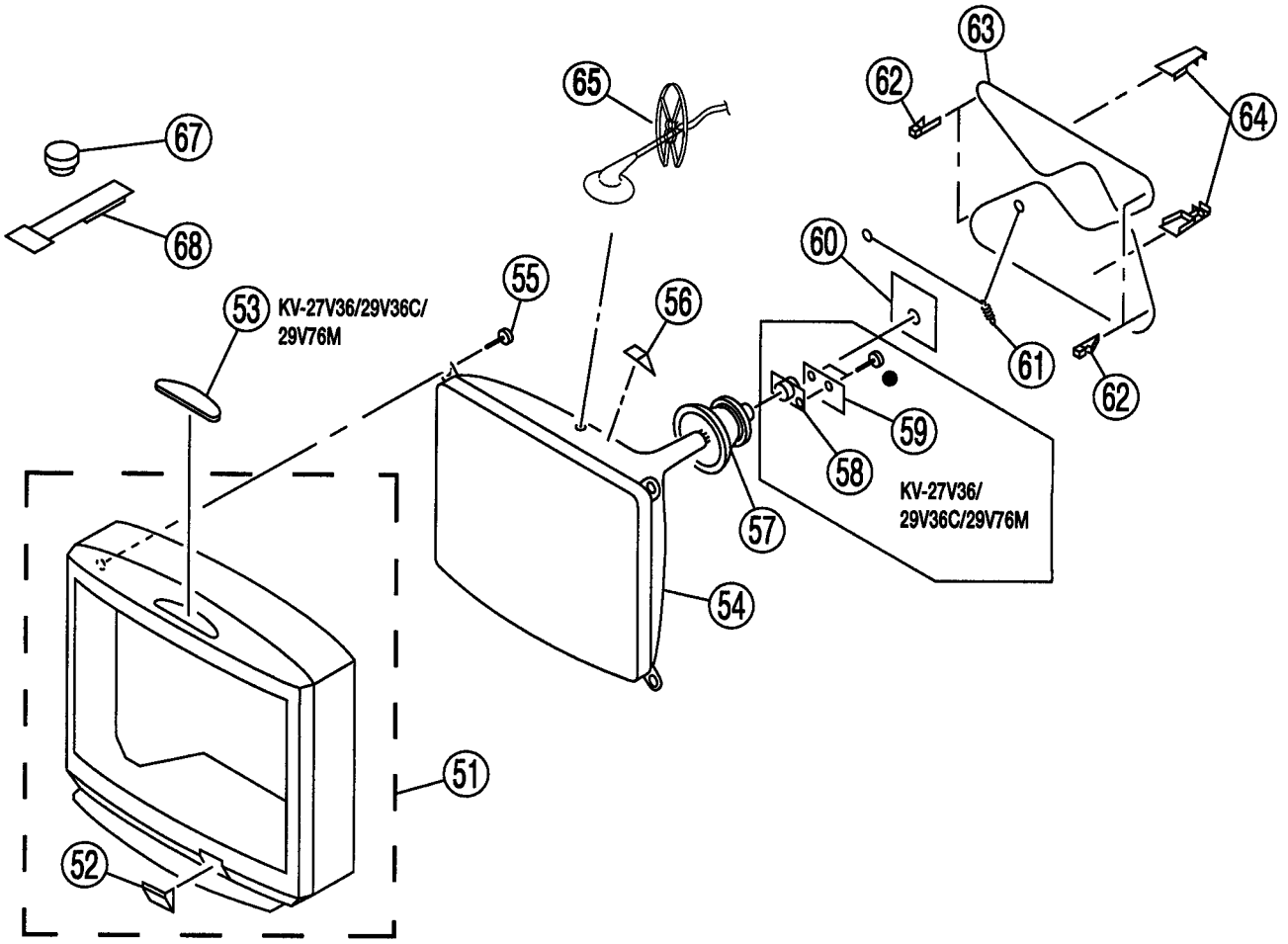
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque ⚠ sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.

5-2. PICTURE TUBE

- **7-685-648-79 SCREW +BVTP 3X12**



REF.NO.		PART NO.	DESCRIPTION	REMARK
51		X-4034-593-1	BEZNET ASSY (KV-29V22M)	52
51		X-4033-594-1	BEZNET ASSY (KV-27V26/29V66M)	52
51		X-4033-595-1	BEZNET ASSY (KV-27V36/29V36C/29V76M)	52
52		4-052-906-21	DOOR, CONTROL (KV-29V22M)	
52		4-052-906-31	DOOR, CONTROL (KV-27V26/29V66M)	
52		4-052-906-51	DOOR, CONTROL (KV-27V36/29V36C/29V76M)	
53		1-473-549-11	SWITCH BLOCK, CONTROL (KV-27V36/29V36C/29V76M)	
54	⚠	8-733-848-05	CRT29PXD (SD-268/ECR) A68KZJ50X (KV-27V26/27V36/29V22M/29V66M/29V76M)	
54	⚠	8-733-849-05	CRT20PXD (SD-268) A68KZJ50X (KV-29V36C)	
55		4-041-268-01	SCREW (7), TAPPING	
56		4-053-005-01	SPACER, DEFLECTION YOKE	
57	⚠	8-451-275-42	DEFLECTION YOKE (Y28PFA)	

REF.NO.		PART NO.	DESCRIPTION	REMARK
58	⚠	1-452-509-41	NECK ASSY, CRT (KV-27V36/29V36C/29V76M)	
59	*	A-1372-225-A	WB BOARD, COMPLETE (KV-27V36/29V36C/29V76M)	
60	*	A-1331-549-A	C BOARD, COMPLETE	
61		4-036-329-01	SPRING (B), TENSION	
62		4-040-388-01	HOLDER DGC, (S)	
63	⚠	1-406-726-81	COIL DEMAGNETIC (KV-29V36C)	
63	⚠	1-411-899-11	COIL DEMAGNETIC (except KV-29V36C)	
64		4-040-387-01	HOLDER DGC, (M)	
65		3-704-372-31	HOLDER, HV CABLE	
67		1-452-032-00	MAGNET, DISC	
68		X-4306-312-0	PERMALLOY, CONVERGENCE	

SECTION 7
ELECTRICAL PARTS LIST

P

Note:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque ⚠ sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by ⊠ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

- Items marked "*" are not stocked since they are seldom required for routine service Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted

RESISTORS
- All resistors are in ohms
- F : nonflammable

CAPACITORS
- MF = μF

INDUCTORS
UH = μH
MMH = mH

When indicating parts by reference number, please include the board name.

P

* A-1195-103-A P BOARD, COMPLETE
(KV-27V26/27V36/29V66M/29V36C/29V76M)

CAPACITOR

REF.NO.	PART NO.	DESCRIPTION			REMARK
C3301	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C3302	1-164-346-11	CERAMIC CHIP	1MF		16V
C3303	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3304	1-126-960-11	ELECT	1MF	20%	50V
C3305	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3306	1-126-967-11	ELECT	47MF	20%	16V
C3307	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3308	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C3309	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C3310	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C3313	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3314	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3315	1-164-346-11	CERAMIC CHIP	1MF		16V
C3319	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C3320	1-126-960-11	ELECT	1MF	20%	50V
C3321	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C3322	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C3323	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C3324	1-126-967-11	ELECT	47MF	20%	16V
C3325	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3326	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3327	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3328	1-126-967-11	ELECT	47MF	20%	16V
C3329	1-126-967-11	ELECT	47MF	20%	16V
C3330	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C3331	1-126-967-11	ELECT	47MF	20%	16V
C3332	1-104-664-11	ELECT	47MF	20%	25V
C3333	1-164-695-11	CERAMIC CHIP	0.0022MF	5%	50V
C3334	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C3335	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3336	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C3337	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C3338	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C3340	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C3346	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3347	1-126-960-11	ELECT	1MF	20%	50V
C3348	1-126-967-11	ELECT	47MF	20%	16V
C3349	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C3350	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C3351	1-163-251-11	CERAMIC CHIP	100PF	5%	50V

CONNECTOR

CN3301*	1-764-816-11	CONNECTOR, BOARD TO BOARD 20P	

IC

IC3301	8-759-366-24	IC TDA8315T/N3A-T	
IC3302	8-759-231-53	IC TA7805S	
IC3303	8-759-438-61	IC SDA9288X-A141	

COIL

L3301	1-408-413-00	INDUCTOR	22UH
L3302	1-410-473-11	INDUCTOR	18UH
L3303	1-408-418-00	INDUCTOR	56UH

TRANSISTOR

Q3301	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3305	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3306	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3307	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3308	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3310	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q3312	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3313	8-729-422-27	TRANSISTOR 2SD601A-Q	

RESISTOR

R3301	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R3302	1-216-043-91	METAL GLAZE	560	5%	1/10W
R3303	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R3304	1-216-043-91	METAL GLAZE	560	5%	1/10W
R3306	1-215-882-00	METAL OXIDE	22	5%	2W F
R3307	1-216-097-91	METAL GLAZE	100K	5%	1/10W

P AV

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION			REMARK
R3308	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R3309	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R3310	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R3311	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R3312	1-216-037-00	METAL GLAZE	330	5%	1/10W
R3313	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3314	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3315	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3316	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R3319	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R3321	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R3322	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R3323	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R3324	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R3326	1-216-037-00	METAL GLAZE	330	5%	1/10W
R3327	1-216-031-00	METAL GLAZE	180	5%	1/10W
R3328	1-216-037-00	METAL GLAZE	330	5%	1/10W
R3329	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R3330	1-216-035-00	METAL GLAZE	270	5%	1/10W
R3331	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R3332	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3337	1-216-033-00	METAL GLAZE	220	5%	1/10W
R3338	1-216-033-00	METAL GLAZE	220	5%	1/10W
R3339	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3340	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3341	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R3342	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R3343	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R3346	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R3351	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R3352	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R3358	1-216-047-91	METAL GLAZE	820	5%	1/10W
R3359	1-216-047-91	METAL GLAZE	820	5%	1/10W
R3360	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R3361	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R3362	1-216-029-00	METAL GLAZE	150	5%	1/10W
R3363	1-216-031-00	METAL GLAZE	180	5%	1/10W
R3364	1-216-035-00	METAL GLAZE	270	5%	1/10W
R3365	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R3366	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R3367	1-216-095-00	METAL GLAZE	82K	5%	1/10W
R3368	1-216-103-00	METAL GLAZE	180K	5%	1/10W
R3369	1-216-101-00	METAL GLAZE	150K	5%	1/10W
R3370	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3371	1-216-095-00	METAL GLAZE	82K	5%	1/10W
R3372	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3373	1-216-035-00	METAL GLAZE	270	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
		CRYSTAL	
X3301	1-567-505-11	OSCILLATOR, CRYSTAL	
X3302	1-760-095-21	VIBRATOR, CRYSTAL	

AV

* A-1297-720-A AV BOARD, COMPLETE (KV-27V36/29V36C/29V76M)

* A-1297-850-A AV BOARD, COMPLETE (KV-27V26/29V66M)

CAPACITOR

C101	1-126-960-11	ELECT	1MF	20%	50V	(KV-27V36/29V36C/29V76M)
C102	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	(KV-27V36/29V36C/29V76M)
C104	1-126-964-11	ELECT	10MF	20%	50V	(KV-27V36/29V36C/29V76M)
C106	1-104-664-11	ELECT	47MF	20%	25V	(KV-27V36/29V36C/29V76M)
C108	1-126-933-11	ELECT	100MF	20%	16V	(KV-27V36/29V36C/29V76M)
C109	1-163-259-91	CERAMIC CHIP	220PF	5%	50V	(KV-27V36/29V36C/29V76M)
C110	1-104-760-11	CERAMIC CHIP	0.047MF	10%	50V	(KV-27V36/29V36C/29V76M)
C111	1-126-960-11	ELECT	1MF	20%	50V	(KV-27V36/29V36C/29V76M)
C113	1-126-934-11	ELECT	220MF	20%	16V	(KV-27V36/29V36C/29V76M)
C1902	1-126-964-11	ELECT	10MF	20%	50V	
C1903	1-102-129-00	CERAMIC	0.01MF	10%	50V	
C1904	1-102-129-00	CERAMIC	0.01MF	10%	50V	
C1905	1-126-964-11	ELECT	10MF	20%	50V	
C1906	1-102-129-00	CERAMIC	0.01MF	10%	50V	
C1907	1-126-964-11	ELECT	10MF	20%	50V	
C1908	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C1909	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C1910	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	
C1911	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	

CONNECTOR

CN101	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P	
CN102	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P	
CN103 *	1-564-507-11	PLUG, CONNECTOR 4P	(KV-27V36/29V36C/29V76M)
CN106 *	1-564-506-11	PLUG, CONNECTOR 3P	

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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AV

REF.NO.	PART NO.	DESCRIPTION	REMARK
		DIODE	
D101	8-719-109-89	DIODE RD5.6ESB2	(KV-27V36/29V36C/29V76M)
D103	8-719-991-33	DIODE 1SS133T-77	(KV-27V36/29V36C/29V76M)
D104	8-719-991-33	DIODE 1SS133T-77	(KV-27V36/29V36C/29V76M)
		IC	
IC1901	8-752-058-68	IC CXA1315M	
IC1902	8-759-981-61	IC LM2901M	
IC1903	8-759-356-27	IC NJM2129M-TE2	
		COIL	
L102	1-410-470-11	INDUCTOR 10UH	(KV-27V36/29V36C/29V76M)
L105	1-408-421-00	INDUCTOR 100UH	(KV-27V36/29V36C/29V76M)
		TRANSISTOR	
Q101	8-729-119-78	TRANSISTOR 2SC2785-HFE	(KV-27V36/29V36C/29V76M)
Q103	8-729-216-22	TRANSISTOR 2SA1162-G	(KV-27V36/29V36C/29V76M)
Q104	8-729-216-22	TRANSISTOR 2SA1162-G	(KV-27V36/29V36C/29V76M)
Q105	8-729-216-22	TRANSISTOR 2SA1162-G	(KV-27V36/29V36C/29V76M)
Q1901	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1902	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1906	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1908	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1911	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1912	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1914	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1916	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1917	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1918	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1919	8-729-422-27	TRANSISTOR 2SD601A-Q	
		RESISTOR	
R101	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	(KV-27V36/29V36C/29V76M)
R102	1-216-083-00	METAL GLAZE 27K 5% 1/10W	(KV-27V36/29V36C/29V76M)
R103	1-216-689-11	METAL GLAZE 39K 5% 1/10W	(KV-27V36/29V36C/29V76M)
R104	1-216-045-00	METAL GLAZE 680 5% 1/10W	(KV-27V36/29V36C/29V76M)
R106	1-216-081-00	METAL GLAZE 22K 5% 1/10W	(KV-27V36/29V36C/29V76M)
R107	1-216-081-00	METAL GLAZE 22K 5% 1/10W	(KV-27V36/29V36C/29V76M)
R108	1-216-081-00	METAL GLAZE 22K 5% 1/10W	(KV-27V36/29V36C/29V76M)
R109	1-216-081-00	METAL GLAZE 22K 5% 1/10W	(KV-27V36/29V36C/29V76M)
R112	1-249-421-11	CARBON 2.2K 5% 1/4W	(KV-27V36/29V36C/29V76M)
R113	1-216-097-91	METAL GLAZE 100K 5% 1/10W	(KV-27V36/29V36C/29V76M)
R114	1-216-121-91	METAL GLAZE 1M 5% 1/10W	(KV-27V36/29V36C/29V76M)
R115	1-216-073-00	METAL GLAZE 10K 5% 1/10W	(KV-27V36/29V36C/29V76M)
R116	1-216-073-00	METAL GLAZE 10K 5% 1/10W	(KV-27V36/29V36C/29V76M)
R117	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	(KV-27V36/29V36C/29V76M)
R1904	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1905	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1906	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R1907	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R1908	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1909	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R1910	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1911	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1915	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1916	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1922	1-216-043-91	METAL GLAZE 560 5% 1/10W	
R1923	1-216-043-91	METAL GLAZE 560 5% 1/10W	
R1928	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R1929	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R1930	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1931	1-216-025-91	METAL GLAZE 100 5% 1/10W	
R1932	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1934	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1935	1-216-295-91	CONDUCTOR, CHIP (2012)	
R1936	1-208-804-11	METAL GLAZE 8.2K 0.50% 1/10W	
R1937	1-208-790-11	METAL GLAZE 2.2K 0.50% 1/10W	
R1940	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R2901	1-208-808-11	METAL GLAZE 12K 0.50% 1/10W	
R2903	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R2904	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R2905	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R2906	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R2907	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R2908	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R2909	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R2910	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R2911	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R2912	1-249-425-11	CARBON 4.7K 5% 1/4W	
R2913	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R2914	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R2916	1-216-073-00	METAL GLAZE 10K 5% 1/10W	

AV A

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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REF.NO.	PART NO.	DESCRIPTION			REMARK
R2917	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R2918	1-216-073-00	METAL GLAZE	10K	5%	1/10W

TUNER

TU101 ⚠ 8-598-339-00 TUNER, FSS BTF-LA402 (KV-27V36/29V36C/29V76M)

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* A-1298-111-A A BOARD, COMPLETE (KV-29V22M)
* A-1298-112-A A BOARD, COMPLETE (KV-27V26/29V66M)
* A-1298-127-A A BOARD, COMPLETE (KV-27V36/29V36C/29V76M)

*	4-051-927-01	CASE, SHIELD			
	4-382-854-11	SCREW (M3X10), P, SW (+)			

CAPACITOR

C001	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C003	1-104-760-11	CERAMIC CHIP	0.047MF	10%	50V
C005	1-126-960-11	ELECT	1MF	20%	50V
C009	1-126-967-11	ELECT	47MF	20%	50V
C010	1-163-033-91	CERAMIC CHIP	0.022MF		50V
C012	1-216-033-00	METAL GLAZE	220	5%	1/10W
C013	1-216-121-91	METAL GLAZE	1M	5%	1/10W
C014	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C023	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C028	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C029	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C030	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C035	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C036	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C037	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C038	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C039	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C040	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C051	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C053	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C056	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C061	1-163-033-91	CERAMIC CHIP	0.022MF		50V
C062	1-163-033-91	CERAMIC CHIP	0.022MF		50V
C063	1-126-935-11	ELECT	470MF	20%	16V
C071	1-164-096-11	CERAMIC	0.01MF		50V
C072	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C075	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C353	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C354	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C355	1-126-959-11	ELECT	0.47MF	20%	50V
C356	1-126-963-11	ELECT	4.7MF	20%	50V
C357	1-126-959-11	ELECT	0.47MF	20%	50V

REF.NO.	PART NO.	DESCRIPTION			REMARK
C358	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C359	1-126-933-11	ELECT	100MF	20%	16V
C363	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C364	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C365	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C366	1-137-399-11	FILM	0.1MF	5%	50V
C367	1-137-399-11	FILM	0.1MF	5%	50V
C368	1-137-399-11	FILM	0.1MF	5%	50V
C369	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C370	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C371	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C372	1-126-959-11	ELECT	0.47MF	20%	50V
C373	1-126-960-11	ELECT	1MF	20%	50V
C375	1-165-319-11	CERAMIC CHIP	0.1MF		50V (KV-29V22M)
C376	1-126-964-11	ELECT	10MF	20%	50V
C377	1-137-399-11	FILM	0.1MF	5%	50V
C378	1-136-244-11	FILM	0.1MF	5%	50V
C379	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C380	1-126-935-11	ELECT	470MF	20%	16V
C381	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C383	1-137-399-11	FILM	0.1MF	5%	50V
C385	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C386	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C387	1-126-961-11	ELECT	2.2MF	20%	50V
C388	1-126-959-11	ELECT	0.47MF	20%	50V
C390	1-126-960-11	ELECT	1MF	20%	50V
C391	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C392	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C461	1-126-963-11	ELECT	4.7MF	20%	50V (KV-27V36/29V36C/29V76M)
C461	1-128-551-11	ELECT	22MF	20%	25V (KV-27V26/29V22M/29V66M)
C462	1-126-961-11	ELECT	2.2MF	20%	50V
C463	1-126-961-11	ELECT	2.2MF	20%	50V
C466	1-104-666-11	ELECT	220MF	20%	25V
C468	1-104-664-11	ELECT	47MF	20%	25V
C470	1-126-961-11	ELECT	2.2MF	20%	50V
C471	1-104-666-11	ELECT	220MF	20%	25V
C472	1-136-173-00	FILM	0.47MF	5%	50V
C473	1-136-169-00	FILM	0.22MF	5%	50V
C474	1-126-942-61	ELECT	1000MF	20%	25V
C475	1-136-169-00	FILM	0.22MF	5%	50V
C476	1-126-942-61	ELECT	1000MF	20%	25V (KV-27V26/29V22M/29V66M)
C477	1-126-942-61	ELECT	1000MF	20%	25V (KV-27V26/29V22M/29V66M)
C501	1-102-110-00	CERAMIC	220PF	10%	50V
C502	1-126-959-11	ELECT	0.47MF	20%	50V
C503	1-163-003-11	CERAMIC CHIP	330PF	10%	50V

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REF.NO.	PART NO.	DESCRIPTION			REMARK
C504	1-102-212-00	CERAMIC	820PF	10%	500V
C505	1-102-002-00	CERAMIC	680PF	10%	500V
C506	1-106-383-00	MYLAR	0.047MF	10%	200V
C507 ⚠	1-162-116-00	CERAMIC	680PF	10%	2KV
C508	1-102-244-00	CERAMIC	220PF	10%	500V
C509	1-162-116-00	CERAMIC	680PF	10%	2KV
C510	1-137-150-11	MYLAR	0.01MF	10%	100V
C511 ⚠	1-115-460-11	FILM	0.022MF	3%	1.2KV
C513 ⚠	1-130-895-00	FILM	0.056MF	5%	400V
C514 ⚠	1-104-844-11	FILM	0.62MF	5%	200V
C515	1-106-343-00	MYLAR	0.001MF	10%	100V
C516	1-115-461-11	FILM	2MF	5%	200V
C517	1-107-649-11	ELECT	2.2MF	20%	250V
C518	1-106-395-00	MYLAR	0.15MF	10%	200V
C519	1-162-815-11	CERAMIC	47PF	5%	500V
C520	1-164-646-11	CERAMIC	2200PF	10%	500V
C521	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C522	1-126-960-11	ELECT	1MF	20%	50V
C525	1-102-244-00	CERAMIC	220PF	10%	500V
C526	1-107-662-11	ELECT	22MF	20%	250V
C527	1-162-116-00	CERAMIC	680PF	10%	2KV
C528	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C529	1-128-551-11	ELECT	22MF	20%	25V
C530	1-137-366-11	FILM	0.0022MF	5%	50V
C531	1-126-965-11	ELECT	22MF	20%	50V
C532	1-126-965-11	ELECT	22MF	20%	50V
C537	1-126-941-11	ELECT	470MF	20%	25V
C539 ⚠	1-126-935-11	ELECT	470MF	20%	16V
C540	1-123-024-21	ELECT	33MF		160V
C541	1-128-560-11	ELECT	22MF	20%	100V
C545	1-106-387-00	MYLAR	0.068MF	10%	200V
C546	1-106-343-00	MYLAR	0.001MF	10%	100V
C547	1-106-343-00	MYLAR	0.001MF	10%	100V
C551	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C561	1-126-967-11	ELECT	47MF	20%	50V
C563	1-126-923-11	ELECT	220MF	20%	10V
C564	1-126-960-11	ELECT	1MF	20%	50V
C565	1-126-969-11	ELECT	220MF	20%	50V
C566	1-126-964-11	ELECT	10MF	20%	50V
C568	1-136-169-00	FILM	0.22MF	5%	50V
C571	1-104-664-11	ELECT	47MF	20%	25V
C1002	1-126-964-11	ELECT	10MF	20%	50V
C1101	1-126-768-11	ELECT	2200MF	20%	16V
C1103	1-126-965-11	ELECT	22MF	20%	50V
C1104	1-126-967-11	ELECT	47MF	20%	16V
C1105	1-126-967-11	ELECT	47MF	20%	16V
C1106	1-126-964-11	ELECT	10MF	20%	50V
C1107	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C1108	1-126-960-11	ELECT	1MF	20%	50V

REF.NO.	PART NO.	DESCRIPTION			REMARK
C1109	1-126-964-11	ELECT	10MF	20%	50V
C1110	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1111	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1112	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1244	1-126-959-11	ELECT	0.47MF	20%	50V
C1245	1-126-959-11	ELECT	0.47MF	20%	50V
C1351	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1352	1-126-933-11	ELECT	100MF	20%	16V
C1353	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C1354	1-216-295-91	CONDUCTOR, CHIP	(2012)		
C1401	1-126-959-11	ELECT	0.47MF	20%	50V
C1402	1-126-964-11	ELECT	10MF	20%	50V
C1403	1-126-959-11	ELECT	0.47MF	20%	50V
C1404	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C1405	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C1406	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C1407	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C1408	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1409	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1410	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1411	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C1412	1-126-961-11	ELECT	2.2MF	20%	50V
C1413	1-126-961-11	ELECT	2.2MF	20%	50V
C1414	1-164-489-11	CERAMIC CHIP	0.22MF	10%	16V
C1415	1-126-965-11	ELECT	22MF	20%	50V
C1416	1-126-933-11	ELECT	100MF	20%	16V
C1417	1-126-767-11	ELECT	1000MF	20%	16V
C1420	1-164-005-11	CERAMIC CHIP	0.47MF		25V

CONNECTOR

CN270	1-573-298-11	CONNECTOR, BOARD TO BOARD 20P
CN271	1-573-978-21	CONNECTOR, BOARD TO BOARD 11P
CN351 *	1-564-509-11	PLUG, CONNECTOR 6P
CN461 *	1-564-507-11	PLUG, CONNECTOR 4P (KV-27V26/29V22M/29V66M)
CN461 *	1-564-510-11	PLUG, CONNECTOR 7P (KV-27V36/29V36C/29V76M)
CN501 *	1-580-798-11	CONNECTOR PIN (DY) 6P
CN503 *	1-564-507-11	PLUG, CONNECTOR 4P
CN1001*	1-564-512-11	PLUG, CONNECTOR 9P
CN1101	1-573-298-11	CONNECTOR, BOARD TO BOARD 20P (except KV-29V22M)
CN1103	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P
CN1231	1-564-511-11	PLUG, CONNECTOR 8P
CN1641*	1-564-515-11	PLUG, CONNECTOR 12P
CN1941*	1-564-508-11	PLUG, CONNECTOR 5P (KV-27V36/29V36C/29V76M)
CN3001	1-573-298-11	CONNECTOR, BOARD TO BOARD 20P

DIODE

D001	8-719-991-33	DIODE 1SS133T-77
D002	8-719-109-89	DIODE RD5.6ESB2
D003	8-719-991-33	DIODE 1SS133T-77

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REF.NO.	PART NO.	DESCRIPTION	REMARK
D004	8-719-110-17	DIODE RD10ESB2	
D011	8-719-983-14	DIODE MTZJ-T-77-3.9	
D013	8-719-991-33	DIODE 1SS133T-77	
D014	8-719-991-33	DIODE 1SS133T-77	
D015	8-719-991-33	DIODE 1SS133T-77	
D353	8-719-991-33	DIODE 1SS133T-77	
D356	8-719-991-33	DIODE 1SS133T-77	
D360	8-719-110-17	DIODE RD10ESB2	
D362	8-719-991-33	DIODE 1SS133T-77	
D368	8-719-991-33	DIODE 1SS133T-77	
D462	8-719-991-33	DIODE 1SS133T-77	
D501	8-719-109-89	DIODE RD5.6ESB2	
D502	8-719-945-80	DIODE ERC06-15S	
D503	8-719-945-80	DIODE ERC06-15S	
D504	8-719-900-26	DIODE ERD29-08J	
D505	8-719-908-03	DIODE GP08D	
D506	8-719-908-03	DIODE GP08D	
D507	8-719-991-33	DIODE 1SS133T-77	
D515	8-719-302-43	DIODE EL1Z	
D516	8-719-991-33	DIODE 1SS133T-77	
D518	8-719-991-33	DIODE 1SS133T-77	
D519 ⚠	8-719-302-43	DIODE EL1Z	
D520	8-719-991-33	DIODE 1SS133T-77	
D521	8-719-059-78	DIODE MTZJ-T-77-7.5X	
D530	8-719-979-85	DIODE EGP20G	
D531	8-719-979-85	DIODE EGP20G	
D534	8-719-302-43	DIODE EL1Z	
D561	8-719-908-03	DIODE GP08D	
D562	8-719-991-33	DIODE 1SS133T-77	
D1102	8-719-982-24	DIODE MTZJ-33A	
D1103	8-719-109-89	DIODE RD5.6ESB2	
D1248	8-719-981-99	DIODE MTZJ-T-77-3.3	
D1263	8-719-110-17	DIODE RD10ESB2	
D1264	8-719-110-17	DIODE RD10ESB2	
		FERRITE BEAD	
FB501	1-410-396-41	FERRITE BEAD INDUCTOR	0.45UH
FB502	1-410-397-21	FERRITE BEAD INDUCTOR	1.1UH
FB503	1-410-397-21	FERRITE BEAD INDUCTOR	1.1UH
		IC	
IC001	8-752-880-88	IC CXP85840-002S	
IC002	8-759-354-28	IC ST24C02FM6TR	
IC351	8-752-076-76	IC CXA2025AS	
IC461	8-759-980-43	IC TDA2009A	
IC501	8-759-700-07	IC NJM2903M	
IC561	8-759-980-58	IC TDA8172	
IC1001	8-752-058-68	IC CXA1315M	
IC1401	8-759-369-39	IC BH3856FS-E2	
IC1402	8-759-100-96	IC UPC4558G2	

REF.NO.	PART NO.	DESCRIPTION	REMARK
		CHIP CONDUCTOR	
JR001	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR163	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR240	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR351	1-216-295-91	CONDUCTOR, CHIP (2012)	(KV-29V22M)
JR352	1-216-295-91	CONDUCTOR, CHIP (2012)	(KV-29V22M)
JR501	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR1351	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR1352	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4101	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4108	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4110	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4114	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4116	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4120	1-216-295-91	CONDUCTOR, CHIP (2012)	
		COIL	
L001	1-408-421-00	INDUCTOR	100UH
L002	1-408-421-00	INDUCTOR	100UH
L003	1-410-470-11	INDUCTOR	10UH
L004	1-410-470-11	INDUCTOR	10UH
L352	1-412-537-31	INDUCTOR	100UH
L461	1-410-470-11	INDUCTOR	10UH (KV-27V26/29V22M/29V66M)
L461	1-410-473-11	INDUCTOR	18UH (KV-27V36/29V36C/29V76M)
L501 ⚠	1-409-861-11	COIL, HORIZONTAL LINEARITY	
L502	1-412-552-11	INDUCTOR	2.2MMH
L503	1-406-677-11	COIL, CHOKE	10MMH
L511	1-406-607-11	COIL, CHOKE	15MMH
L517	1-412-552-11	INDUCTOR	2.2MMH
L1101	1-408-421-00	INDUCTOR	100UH
L1102	1-410-470-11	INDUCTOR	10UH
L1401	1-410-494-11	INDUCTOR	1MMH
		IC LINK	
PS461 ⚠	1-532-984-11	LINK, IC 2A/90V	
		TRANSISTOR	
Q001	8-729-216-22	TRANSISTOR 2SA1162-G	
Q002	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q003	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q004	8-729-216-22	TRANSISTOR 2SA1162-G	
Q010	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q011	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q012	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q013	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q014	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q015	8-729-422-27	TRANSISTOR 2SD601A-Q	

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.

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REF.NO.	PART NO.	DESCRIPTION	REMARK
Q016	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q017	8-729-216-22	TRANSISTOR 2SA1162-G	
Q301	8-729-216-22	TRANSISTOR 2SA1162-G	
Q302	8-729-216-22	TRANSISTOR 2SA1162-G	
Q303	8-729-216-22	TRANSISTOR 2SA1162-G	
Q354	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q356	8-729-216-22	TRANSISTOR 2SA1162-G	
Q357	8-729-422-27	TRANSISTOR 2SD601A-Q	(KV-27V36/29V36C/29V76M)
Q358	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q461	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q462	8-729-216-22	TRANSISTOR 2SA1162-G	
Q501	8-729-140-50	TRANSISTOR 2SC3209LK	
Q502 ⚠	8-729-016-32	TRANSISTOR 2SC4927-01	
Q511 ⚠	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q512 ⚠	8-729-809-29	TRANSISTOR 2SC4159-E	
Q551	8-729-216-22	TRANSISTOR 2SA1162-G	
Q552	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q561	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q562	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q563	8-729-105-08	TRANSISTOR 2SA1330-O6	
Q1102	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1103	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1231	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1232	8-729-422-27	TRANSISTOR 2SD601A-Q	

RESISTOR

REF.NO.	PART NO.	DESCRIPTION				REMARK
R001	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R002	1-247-815-91	CARBON	220	5%	1/4W	
R003	1-216-097-91	METAL GLAZE	100K	5%	1/10W	
R004	1-216-121-91	METAL GLAZE	1M	5%	1/10W	
R005	1-247-815-91	CARBON	220	5%	1/4W	
R006	1-247-815-91	CARBON	220	5%	1/4W	(except KV-29V22M)
R007	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R008	1-247-815-91	CARBON	220	5%	1/4W	(except KV-29V22M)
R009	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R010	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R011	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R012	1-216-033-00	METAL GLAZE	220	5%	1/10W	(except KV-29V22M)
R013	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R014	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R015	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R016	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R019	1-249-425-11	CARBON	4.7K	5%	1/4W	
R020	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R022	1-249-429-11	CARBON	10K	5%	1/4W	(except KV-29V22M)
R023	1-216-089-91	METAL GLAZE	47K	5%	1/10W	
R025	1-163-010-11	CERAMIC CHIP	0.0012MF	10%	50V	
R026	1-163-038-91	CERAMIC CHIP	0.1MF		25V	
R028	1-249-417-11	CARBON	1K	5%	1/4W	
R029	1-216-025-91	METAL GLAZE	100	5%	1/10W	
R030	1-249-425-11	CARBON	4.7K	5%	1/4W	
R031	1-247-815-91	CARBON	220	5%	1/4W	(except KV-29V22M)
R032	1-247-815-91	CARBON	220	5%	1/4W	
R034	1-247-815-91	CARBON	220	5%	1/4W	
R035	1-247-815-91	CARBON	220	5%	1/4W	
R036	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R037	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R038	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R039	1-247-807-31	CARBON	100	5%	1/4W	
R040	1-247-815-91	CARBON	220	5%	1/4W	(except KV-29V22M)
R041	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	(except KV-29V22M)
R042	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	(except KV-29V22M)
R043	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R044	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
R045	1-247-815-91	CARBON	220	5%	1/4W	(except KV-29V22M)
R046	1-247-815-91	CARBON	220	5%	1/4W	
R047	1-249-417-11	CARBON	1K	5%	1/4W	
R048	1-249-417-11	CARBON	1K	5%	1/4W	
R049	1-249-417-11	CARBON	1K	5%	1/4W	
R050	1-247-815-91	CARBON	220	5%	1/4W	(except KV-29V22M)
R051	1-247-815-91	CARBON	220	5%	1/4W	
R052	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R053	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R054	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R055	1-216-097-91	METAL GLAZE	100K	5%	1/10W	
R056	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R057	1-249-417-11	CARBON	1K	5%	1/4W	
R058	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R064	1-247-815-91	CARBON	220	5%	1/4W	
R065	1-247-815-91	CARBON	220	5%	1/4W	
R066	1-247-815-91	CARBON	220	5%	1/4W	
R067	1-249-413-11	CARBON	470	5%	1/4W	
R068	1-247-815-91	CARBON	220	5%	1/4W	
R069	1-247-815-91	CARBON	220	5%	1/4W	
R070	1-247-815-91	CARBON	220	5%	1/4W	
R071	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R072	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R073	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R074	1-216-033-00	METAL GLAZE	220	5%	1/10W	

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Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION			REMARK
R075	1-216-033-00	METAL GLAZE	220	5%	1/10W
R076	1-216-033-00	METAL GLAZE	220	5%	1/10W
R077	1-216-033-00	METAL GLAZE	220	5%	1/10W
R078	1-249-417-11	CARBON	1K	5%	1/4W
R079	1-216-033-00	METAL GLAZE	220	5%	1/10W
R080	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R081	1-216-025-91	METAL GLAZE	100	5%	1/10W
R082	1-216-025-91	METAL GLAZE	100	5%	1/10W
R083	1-249-429-11	CARBON	10K	5%	1/4W
R084	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R087	1-247-815-91	CARBON	220	5%	1/4W
R090	1-216-033-00	METAL GLAZE	220	5%	1/10W (except KV-29V22M)
R092	1-249-429-11	CARBON	10K	5%	1/4W
R097	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R099	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R131	1-216-035-00	METAL GLAZE	270	5%	1/10W
R132	1-216-115-00	METAL GLAZE	560K	5%	1/10W
R133	1-216-039-00	METAL GLAZE	390	5%	1/10W
R135	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R136	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R137	1-216-033-00	METAL GLAZE	220	5%	1/10W
R353	1-208-786-11	METAL GLAZE	1.5K	0.50%	1/10W
R354	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R355	1-216-033-00	METAL GLAZE	220	5%	1/10W
R356	1-216-033-00	METAL GLAZE	220	5%	1/10W
R358	1-247-815-91	CARBON	220	5%	1/4W (except KV-29V22M)
R359	1-247-815-91	CARBON	220	5%	1/4W (except KV-29V22M)
R360	1-247-815-91	CARBON	220	5%	1/4W (except KV-29V22M)
R361	1-216-025-91	METAL GLAZE	100	5%	1/10W
R362	1-216-025-91	METAL GLAZE	100	5%	1/10W
R363	1-216-025-91	METAL GLAZE	100	5%	1/10W
R364	1-216-101-00	METAL GLAZE	150K	5%	1/10W
R365	1-216-101-00	METAL GLAZE	150K	5%	1/10W
R366	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R367	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R368	1-249-441-11	CARBON	100K	5%	1/4W
R369	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R370	1-249-417-11	CARBON	1K	5%	1/4W (V-27V36/29V36C/29V76M)
R371	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W (KV-27V36/29V36C/29V76M)
R372	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R373	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R374	1-216-125-00	METAL GLAZE	1.5M	5%	1/10W
R375	1-216-025-91	METAL GLAZE	100	5%	1/10W
R376	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R379	1-216-033-00	METAL GLAZE	220	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R380	1-247-815-91	CARBON	220	5%	1/4W
R381	1-247-815-91	CARBON	220	5%	1/4W
R382	1-216-033-00	METAL GLAZE	220	5%	1/10W
R383	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R384	1-216-109-00	METAL GLAZE	330K	5%	1/10W
R385	1-249-422-11	CARBON	2.7K	5%	1/4W
R386	1-216-049-91	METAL GLAZE	1K	5%	1/10W (except KV-29V22M)
R387	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R388	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R389	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R390	1-216-035-00	METAL GLAZE	270	5%	1/10W
R391	1-208-810-11	METAL GLAZE	15K	0.50%	1/10W
R392	1-216-025-91	METAL GLAZE	100	5%	1/10W
R393	1-216-043-91	METAL GLAZE	560	5%	1/10W
R394	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R395	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R396	1-249-417-11	CARBON	1K	5%	1/4W (KV-27V36/29V36C/29V76M)
R397	1-249-425-11	CARBON	4.7K	5%	1/4W
R461	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R462	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R463	1-249-435-11	CARBON	33K	5%	1/4W
R464	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R465	1-249-413-11	CARBON	470	5%	1/4W
R466	1-249-383-11	CARBON	1.5	5%	1/4W F (KV-27V36/29V36C/29V76M)
R466	1-249-385-11	CARBON	2.2	5%	1/4W F (KV-27V26/29V22M/29V66M)
R467	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R469	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W (KV-27V36/29V36C/29V76M)
R469	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W (KV-27V26/29V22M/29V66M)
R471	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R472	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W (KV-27V36/29V36C/29V76M)
R472	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W (KV-27V26/29V22M/29V66M)
R473	1-249-398-11	CARBON	27	5%	1/4W
R475	1-249-430-11	CARBON	12K	5%	1/4W
R476	1-249-430-11	CARBON	12K	5%	1/4W
R477	1-249-398-11	CARBON	27	5%	1/4W
R478	1-249-418-11	CARBON	1.2K	5%	1/4W F
R479	1-249-418-11	CARBON	1.2K	5%	1/4W F
R480	1-249-385-11	CARBON	2.2	5%	1/4W F
R481	1-249-385-11	CARBON	2.2	5%	1/4W F
R482	1-249-421-11	CARBON	2.2K	5%	1/4W (KV-27V26/29V22M/29V66M)
R483	1-249-421-11	CARBON	2.2K	5%	1/4W (KV-27V26/29V22M/29V66M)

Note: The components identified by ⊠ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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REF.NO.	PART NO.	DESCRIPTION			REMARK
R501	1-216-037-00	METAL GLAZE	330	5%	1/10W
R502	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R503	1-249-426-11	CARBON	5.6K	5%	1/4W F
R504 ⚠	1-215-918-00	METAL OXIDE	1.5K	5%	3W F
R505	1-249-431-11	CARBON	15K	5%	1/4W
R506	1-215-861-00	METAL OXIDE	47	5%	1W F
R507	1-249-401-11	CARBON	47	5%	1/4W
R508	1-249-427-11	CARBON	6.8K	5%	1/4W
R509	1-247-750-11	CARBON	680	5%	1/2W F
R510 ⚠	1-215-860-11	METAL OXIDE	33	5%	1W F
R511 ⚠	1-216-449-11	METAL OXIDE	56	5%	2W F
R512 ⚠	1-216-450-00	METAL OXIDE	82	5%	2W F
R513	1-216-347-11	METAL OXIDE	0.68	5%	1W F
R515	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R516	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R517	1-249-415-11	CARBON	680	5%	1/4W
R518	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R519	1-249-411-11	CARBON	330	5%	1/4W
R523	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R524	1-249-429-11	CARBON	10K	5%	1/4W
R525	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
R528	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R529	1-208-814-11	METAL GLAZE	22K	0.50%	1/10W
⊠ R530 ⚠		METAL GLAZE			1/10W
⊠ R531 ⚠		METAL GLAZE			1/10W
R532	1-208-760-11	METAL GLAZE	120	0.50%	1/10W
R533 ⚠	1-215-902-11	METAL OXIDE	47K	5%	1W F
R535	1-216-101-00	METAL GLAZE	150K	5%	1/10W
R536 ⚠	1-260-288-11	CARBON	0.47	5%	1/2W
R537 ⚠	1-260-288-11	CARBON	0.47	5%	1/2W
R538	1-247-887-00	CARBON	220K	5%	1/4W
R543	1-249-377-11	CARBON	0.47	5%	1/4W F
R546	1-215-456-00	METAL	30K	1%	1/4W
R547	1-215-457-00	METAL	33K	1%	1/4W
R549	1-215-437-00	METAL	4.7K	1%	1/4W
R550 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F
R551	1-215-873-00	METAL OXIDE	4.7K	5%	1W F
R552	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R553 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F
R554	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R561	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R563 ⚠	1-216-351-00	METAL OXIDE	1.5	5%	1W F
R564	1-249-392-11	CARBON	8.2	5%	1/4W
R565 ⚠	1-215-890-11	METAL OXIDE	470	5%	2W F
R566	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R567 ⚠	1-249-385-11	CARBON	2.2	5%	1/4W F
R568	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R569	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R570	1-216-097-91	METAL GLAZE	100K	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R571	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R572	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R573	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R574 ⚠	1-216-365-00	METAL OXIDE	0.47	5%	2W F
R575	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R576	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R577	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R578	1-208-784-11	METAL GLAZE	1.2K	0.50%	1/10W
R579	1-208-842-11	METAL GLAZE	330K	0.50%	1/10W
R580	1-249-441-11	CARBON	100K	5%	1/4W
R1001	1-247-807-31	CARBON	100	5%	1/4W
R1002	1-247-807-31	CARBON	100	5%	1/4W
R1005	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1101	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1102	1-215-900-11	METAL OXIDE	22K	5%	2W F
R1103	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R1104	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R1105	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R1106	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1107	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R1108	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1109	1-216-019-00	METAL GLAZE	56	5%	1/10W
R1110	1-216-019-00	METAL GLAZE	56	5%	1/10W
R1111	1-216-019-00	METAL GLAZE	56	5%	1/10W
R1115	1-216-045-00	METAL GLAZE	680	5%	1/10W
R1117	1-249-425-11	CARBON	4.7K	5%	1/4W
R1118	1-249-425-11	CARBON	4.7K	5%	1/4W
R1120	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1121	1-216-035-00	METAL GLAZE	270	5%	1/10W
R1122	1-216-115-00	METAL GLAZE	560K	5%	1/10W
R1123	1-216-039-00	METAL GLAZE	390	5%	1/10W
R1125	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1126	1-216-035-00	METAL GLAZE	270	5%	1/10W
R1127	1-216-115-00	METAL GLAZE	560K	5%	1/10W
R1128	1-216-039-00	METAL GLAZE	390	5%	1/10W
R1130	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R1255	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R1258	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R1259	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R1260	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R1294	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1295	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1351	1-247-815-91	CARBON	220	5%	1/4W
R1352	1-247-815-91	CARBON	220	5%	1/4W
R1353	1-247-815-91	CARBON	220	5%	1/4W
R1354	1-216-033-00	METAL GLAZE	220	5%	1/10W
R1355	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1356	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1357	1-216-025-91	METAL GLAZE	100	5%	1/10W

A G

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION			REMARK
R1358	1-247-807-31	CARBON	100	5%	1/4W
R1359	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1360	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R1361	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R1362	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R1407	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1408	1-249-429-11	CARBON	10K	5%	1/4W
R1409	1-249-429-11	CARBON	10K	5%	1/4W
R1411	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1412	1-216-093-00	METAL GLAZE	68K	5%	1/10W
R1413	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1414	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1415	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1418	1-216-093-00	METAL GLAZE	68K	5%	1/10W
R1419	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1420	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1421	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1424	1-247-807-31	CARBON	100	5%	1/4W
R1425	1-247-807-31	CARBON	100	5%	1/4W

SWITCH

S501	1-572-707-11	SWITCH, LEVER

TRANSFORMER

T501	1-437-210-11	TRANSFORMER, HORIZONTAL DRIVE
T502 ⚠	1-424-545-11	TRANSFORMER, FERRITE (PMT)
T503 ⚠	1-453-207-11	TRANSFORMER ASSY, FLYBACK (NX-2609//X4C)

TUNER

TU102 ⚠	8-598-340-00	TUNER, FSS BTF-WA404

CRYSTAL

X001	1-578-774-11	VIBRATOR, CRYSTAL
X353	1-567-505-11	OSCILLATOR, CRYSTAL
X354	1-577-611-11	OSCILALTOR, CERAMIC

G

* A-1316-252-A G BOARD, COMPLETE (KV-29V36C)

* A-1316-261-A G BOARD, COMPLETE (KV-27V26/27V36/29V66M/29V76M/29V22M)

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C602	1-126-963-11	ELECT	4.7MF	20%	50V (KV-29V36C)
C603 ⚠	1-113-915-11	CERAMIC	0.001MF	20%	300V
C604 ⚠	1-136-346-21	FILM	0.22MF	20%	125V (KV-27V26/27V36/29V22M/29V66M/29V76M)
C605 ⚠	1-136-346-21	FILM	0.22MF	20%	125V (KV-27V26/27V36/29V22M/29V66M/29V76M)
C605 ⚠	1-136-346-21	FILM	0.22MF	20%	300V (KV-29V36C)
C606 ⚠	1-115-388-11	ELECT	560MF	20%	200V
C607 ⚠	1-115-388-11	ELECT	560MF	20%	200V
C608	1-164-625-11	CERAMIC	680PF	10%	500V (KV-27V26/27V36/29V22M/29V66M/29V76M)
C608	1-164-645-11	CERAMIC	1000PF	10%	500V (KV-29V36C)
C609	1-136-173-00	FILM	0.47MF	5%	50V
C610	1-136-173-00	FILM	0.47MF	5%	50V
C611	1-136-169-00	FILM	0.22MF	5%	50V
C612	1-136-169-00	FILM	0.22MF	5%	50V
C613	1-164-645-11	CERAMIC	1000PF	10%	500V
C614	1-164-645-11	CERAMIC	1000PF	10%	500V
C615	1-136-759-11	FILM	0.039MF	5%	630V
C617 ⚠	1-113-915-11	CERAMIC	0.001MF	20%	250V
C626 ⚠	1-113-897-11	CERAMIC	100PF	10%	250V (KV-29V36C)
C641	1-126-943-11	ELECT	2200MF	20%	25V
C642	1-126-767-11	ELECT	1000MF	20%	16V
C643	1-107-641-11	ELECT	220MF	20%	160V
C646	1-126-933-11	ELECT	100MF	20%	16V
C647	1-128-551-11	ELECT	22MF	20%	25V
C648	1-126-933-11	ELECT	100MF	20%	16V
C651	1-137-366-11	FILM	0.0022MF	5%	50V
C652	1-106-351-00	MYLAR	0.0022MF	99%	200V
C653	1-107-636-11	ELECT	10MF	20%	160V
C654	1-164-625-11	CERAMIC	680PF	10%	500V
C655	1-164-625-11	CERAMIC	680PF	10%	500V
C656	1-164-625-11	CERAMIC	680PF	10%	500V
C657	1-164-625-11	CERAMIC	680PF	10%	500V
C661	1-126-963-11	ELECT	4.7MF	20%	50V (KV-27V26/27V36/29V22M/29V66M/29V76M)
C690	1-164-645-11	CERAMIC	1000PF	10%	500V
C691	1-164-645-11	CERAMIC	1000PF	10%	500V

CONNECTOR

CN601 *	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P
CN602 *	1-580-844-11	PIN, CONNECTOR (POWER)
CN641 *	1-564-515-11	PLUG, CONNECTOR 12P

DIODE

D601	8-719-911-19	DIODE 1SS119-25
D602 ⚠	8-719-510-53	DIODE D4SB60L
D603	8-719-911-19	DIODE 1SS119-25
D604	8-719-911-19	DIODE 1SS119-25

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.

G

REF.NO.	PART NO.	DESCRIPTION	REMARK
D605	8-719-911-19	DIODE 1SS119-25	
D606	8-719-911-19	DIODE 1SS119-25	
D607	8-719-911-19	DIODE 1SS119-25	
D608	8-719-911-19	DIODE 1SS119-25	
D609	8-719-911-19	DIODE 1SS119-25	
D610	8-719-911-19	DIODE 1SS119-25	
D615	8-719-028-45	DIODE D2L20U	
D641	8-719-052-40	DIODE RBA-1004B	
D643	8-719-028-45	DIODE D2L20U	
D644	8-719-028-45	DIODE D2L20U	
D645	8-719-028-45	DIODE D2L20U	
D646	8-719-510-12	DIODE D10SC4M	
D648	8-719-057-52	DIODE EZ0150AV1	
D649	8-719-510-02	DIODE D1NS4	
D650	8-719-510-02	DIODE D1NS4	
	FUSE		
F601 ⚠	1-576-193-11	FUSE 6.3A/125V	(KV-27V26/27V36/29V22M/29V66M/29V76M)
F601 ⚠	1-532-506-51	FUSE 6.3A/250V	(KV-29V36C)
	1-533-223-11	HOLDER, FUSE (for F601)	
	FERRITE BEAD		
FB601	1-410-397-21	FERRITE BEAD INDUCTOR	1.1UH
FB602	1-410-397-21	FERRITE BEAD INDUCTOR	1.1UH
FB641	1-410-397-21	FERRITE BEAD INDUCTOR	1.1UH
FB642	1-410-397-21	FERRITE BEAD INDUCTOR	1.1UH
FB643	1-410-397-21	FERRITE BEAD INDUCTOR	1.1UH
FB644	1-410-397-21	FERRITE BEAD INDUCTOR	1.1UH
FB645	1-410-397-21	FERRITE BEAD INDUCTOR	1.1UH
FB646	1-410-397-21	FERRITE BEAD INDUCTOR	1.1UH
FB647	1-410-397-21	FERRITE BEAD INDUCTOR	1.1UH
FB648	1-410-397-21	FERRITE BEAD INDUCTOR	1.1UH
	IC		
IC641	8-749-920-58	IC SI-3090CA	
IC642	8-759-701-56	IC NJM78M05FA	
IC643	8-749-012-13	IC DM-58	
	COIL		
L642	1-412-529-11	INDUCTOR	22UH
L643	1-412-525-31	INDUCTOR	10UH
	TRANSISTOR		
Q601 ⚠	8-729-019-49	TRANSISTOR 2SC4834M	(KV-27V26/27V36/29V22M/29V66M/29V76M)
Q601 ⚠	8-729-019-50	TRANSISTOR 2SC4834NP	(KV-29V36C)
Q602 ⚠	8-729-019-49	TRANSISTOR 2SC4834M	(KV-27V26/27V36/29V22M/29V66M/29V76M)
Q602 ⚠	8-729-019-50	TRANSISTOR 2SC4834NP	(KV-29V36C)
Q644	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q645	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q646	8-729-119-78	TRANSISTOR 2SC2785-HFE	(KV-27V26/27V36/29V22M/29V66M/29V76M)
	RESISTOR		
R603 ⚠	1-219-776-11	CARBON 2.2M 10% 1/2W	(KV-27V26/27V36/29V22M/29V66M/29V76M)
R603 ⚠	1-247-289-00	CARBON 8.2M 5% 1W	(KV-29V36C)
R605	1-247-893-11	CARBON 390K 5% 1/4W	
R606	1-247-893-11	CARBON 390K 5% 1/4W	
R607 ⚠	1-202-933-61	FUSIBLE 0.1 10% 1/2W F	
R608 ⚠	1-216-369-00	METAL OXIDE 1 5% 2W F	(KV-29V36C)
R608 ⚠	1-216-372-11	METAL OXIDE 1.8 5% 2W F	(KV-27V26/27V36/29V22M/29V66M/29V76M)
R609	1-247-791-91	CARBON 22 5% 1/4W	
R610	1-247-791-91	CARBON 22 5% 1/4W	
R611 ⚠	1-216-369-00	METAL OXIDE 1 5% 2W F	(KV-29V36C)
R611 ⚠	1-216-372-11	METAL OXIDE 1.8 5% 2W F	(KV-27V26/27V36/29V22M/29V66M/29V76M)
R612	1-247-887-00	CARBON 220K 5% 1/4W	
R613	1-247-887-00	CARBON 220K 5% 1/4W	
R614	1-247-887-00	CARBON 220K 5% 1/4W	
R615	1-247-887-00	CARBON 220K 5% 1/4W	
R616	1-247-791-91	CARBON 22 5% 1/4W	
R617	1-247-791-91	CARBON 22 5% 1/4W	
R622 ⚠	1-212-958-00	FUSIBLE 10 5% 1/2W F	
R623 ⚠	1-205-943-11	WIREWOUND 1 5% 20W	(KV-27V26/27V36/29V22M/29V66M/29V76M)
R623 ⚠	1-243-032-11	WIREWOUND 3.9 5% 20W	(KV-29V36C)
R641	1-247-843-11	CARBON 3.3K 5% 1/4W	
R642	1-247-843-11	CARBON 3.3K 5% 1/4W	
R643	1-249-387-11	CARBON 3.3 5% 1/4W F	
R644 ⚠	1-215-882-00	METAL OXIDE 22 5% 2W F	
R645 ⚠	1-260-304-51	CARBON 10 5% 1/2W	(KV-29V36C)
R647	1-249-417-11	CARBON 1K 5% 1/4W	
R648	1-247-887-00	CARBON 220K 5% 1/4W	
R649	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R652	1-249-421-11	CARBON 2.2K 5% 1/4W	
R659	1-249-429-11	CARBON 10K 5% 1/4W	(KV-29V36C)
R661	1-249-413-11	CARBON 470 5% 1/4W F	
R662	1-249-429-11	CARBON 10K 5% 1/4W	
R663 ⚠	1-249-377-11	CARBON 0.47 5% 1/4W F	
R664 ⚠	1-249-377-11	CARBON 0.47 5% 1/4W F	
R665 ⚠	1-249-377-11	CARBON 0.47 5% 1/4W F	

G C

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION				REMARK
R666 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W	F
R667 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W	F
R668 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W	F
R670 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W	F
R671 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W	F
R672 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W	F
R678	1-247-863-91	CARBON	22K	5%	1/4W	(KV-27V26/27V36/29V22M/29V66M/29V76M)
R679	1-247-863-91	CARBON	22K	5%	1/4W	(KV-27V26/27V36/29V22M/29V66M/29V76M)
R680	1-249-429-11	CARBON	10K	5%	1/4W	(KV-27V26/27V36/29V22M/29V66M/29V76M)
R681	1-249-407-11	CARBON	150	5%	1/4W	(KV-27V26/27V36/29V22M/29V66M/29V76M)

RELAY

RY601 ⚠	1-755-018-11	RELAY	(KV-29V36C)
RY601 ⚠	1-424-146-11	RELAY	(KV-27V26/27V36/29V22M/29V66M/29V76M)

TRANSFORMER

T601 ⚠	1-426-717-11	TRANSFORMER, LINE FILTER (LFT)	(KV-27V26/27V36/29V22M/29V66M/29V76M)
T602 ⚠	1-424-220-11	TRANSFORMER, LINE FILTER	(KV-27V26/27V36/29V22M/29V66M/29V76M)
T602 ⚠	1-426-717-11	TRANSFORMER, LINE FILTER (LFT)	(KV-29V36C)
T603 ⚠	1-427-864-11	TRANSFORMER, CONVERTER (PRT)	
T605 ⚠	1-429-415-11	TRANSFORMER, CONVERTER (PIT)	

THERMISTOR

THP601 ⚠	1-809-539-11	THERMISTOR, POSITIVE	(KV-27V26/27V36/29V22M/29V66M/29V76M)
THP601 ⚠	1-809-827-11	THERMISTOR, POSITIVE	(KV-29V36C)

VARISTOR

VDR601	1-810-974-21	VARISTOR

C

* A-1331-549-A C BOARD, MOUNTED

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C1765	1-102-116-00	CERAMIC	680PF	10%	50V
C1766	1-102-117-00	CERAMIC	820PF	10%	50V
C1767	1-102-116-00	CERAMIC	680PF	10%	50V
C1775	1-102-116-00	CERAMIC	680PF	10%	50V
C1776	1-102-117-00	CERAMIC	820PF	10%	50V
C1777	1-102-116-00	CERAMIC	680PF	10%	50V
C1785	1-102-116-00	CERAMIC	680PF	10%	50V
C1786	1-102-117-00	CERAMIC	820PF	10%	50V
C1787	1-102-116-00	CERAMIC	680PF	10%	50V
C1790	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1791	1-126-933-11	ELECT	100MF	20%	16V
C1793	1-107-651-11	ELECT	4.7MF	20%	250V
C1795	1-102-074-00	CERAMIC	0.001MF	10%	50V
C1797	1-106-375-12	MYLAR	0.022MF	99%	200V
C1798	1-106-375-12	MYLAR	0.022MF	99%	200V
C1799	1-162-114-00	CERAMIC	0.0047MF		2KV

CONNECTOR

CN1761*	1-564-509-11	PLUG, CONNECTOR 6P
CN1764*	1-564-507-11	PLUG, CONNECTOR 4P
CN1765	1-695-915-11	TAB (CONTACT)
CN1766	1-695-915-11	TAB (CONTACT)

DIODE

D1761	8-719-991-33	DIODE 1SS133T-77
D1762	8-719-991-33	DIODE 1SS133T-77
D1763	8-719-991-33	DIODE 1SS133T-77
D1771	8-719-991-33	DIODE 1SS133T-77
D1772	8-719-991-33	DIODE 1SS133T-77
D1773	8-719-991-33	DIODE 1SS133T-77
D1781	8-719-991-33	DIODE 1SS133T-77
D1782	8-719-991-33	DIODE 1SS133T-77
D1783	8-719-991-33	DIODE 1SS133T-77
D1790	8-719-991-33	DIODE 1SS133T-77
D1792	8-719-983-14	DIODE MTZJ-T-77-3.9

JACK

J1761 ⚠	1-251-388-11	SOCKET, CRT

COIL

L1790	1-410-667-31	INDUCTOR	22UH

TRANSISTOR

Q1761	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q1762	8-729-326-11	TRANSISTOR 2SC2611
Q1763	8-729-200-17	TRANSISTOR 2SA1091-O
Q1771	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q1772	8-729-326-11	TRANSISTOR 2SC2611
Q1773	8-729-200-17	TRANSISTOR 2SA1091-O
Q1781	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q1782	8-729-326-11	TRANSISTOR 2SC2611
Q1783	8-729-200-17	TRANSISTOR 2SA1091-O
Q1790	8-729-119-76	TRANSISTOR 2SA1175-HFE

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.

C WB

REF.NO.	PART NO.	DESCRIPTION			REMARK
		RESISTOR			
R1760	1-260-105-11	CARBON	3.3K	5%	1/2W
R1761	1-247-807-31	CARBON	100	5%	1/4W
R1763	1-249-409-11	CARBON	220	5%	1/4W F
R1764 ⚠	1-216-486-00	METAL OXIDE	8.2K	5%	3W F
R1765	1-249-411-11	CARBON	330	5%	1/4W
R1766	1-249-393-11	CARBON	10	5%	1/4W
R1767	1-249-429-11	CARBON	10K	5%	1/4W
R1768	1-249-411-11	CARBON	330	5%	1/4W
R1770	1-260-105-11	CARBON	3.3K	5%	1/2W
R1771	1-247-807-31	CARBON	100	5%	1/4W
R1773	1-249-409-11	CARBON	220	5%	1/4W F
R1774 ⚠	1-216-486-00	METAL OXIDE	8.2K	5%	3W F
R1775	1-249-407-11	CARBON	150	5%	1/4W
R1776	1-249-393-11	CARBON	10	5%	1/4W
R1777	1-249-429-11	CARBON	10K	5%	1/4W
R1780	1-260-105-11	CARBON	3.3K	5%	1/2W
R1781	1-247-807-31	CARBON	100	5%	1/4W
R1783	1-249-409-11	CARBON	220	5%	1/4W F
R1784 ⚠	1-216-486-00	METAL OXIDE	8.2K	5%	3W F
R1785	1-249-407-11	CARBON	150	5%	1/4W
R1786	1-249-393-11	CARBON	10	5%	1/4W
R1787	1-249-429-11	CARBON	10K	5%	1/4W
R1789	1-249-437-11	CARBON	47K	5%	1/4W
R1792	1-247-815-91	CARBON	220	5%	1/4W
R1793	1-247-863-91	CARBON	22K	5%	1/4W
R1794	1-249-417-11	CARBON	1K	5%	1/4W
R1795	1-260-087-11	CARBON	100	5%	1/2W
R1796 ⚠	1-216-374-00	METAL OXIDE	2.7	5%	2W F
R1797	1-260-123-11	CARBON	100K	5%	1/2W

WB

* **A-1372-225-A WB BOARD, MOUNTED (KV-27V36/29V36C/29V76M)**

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C2941	1-126-935-11	ELECT	470MF	20%	16V
C2944	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C2946	1-126-933-11	ELECT	100MF	20%	16V
C2949	1-161-830-00	CERAMIC	0.0047MF		500V
C2950	1-126-933-11	ELECT	100MF	20%	16V
C2951	1-107-638-11	ELECT	33MF	20%	160V
C2952	1-104-999-11	MYLAR	0.1MF	10%	200V
C2953	1-106-383-00	MYLAR	0.047MF	10%	200V
C2954	1-137-364-11	FILM	0.001MF	5%	50V
C2955	1-107-667-11	ELECT	2.2MF	20%	160V
C2956	1-137-364-11	FILM	0.001MF	5%	50V
C2957	1-106-383-00	MYLAR	0.047MF	10%	200V
C2958	1-126-933-11	ELECT	100MF	20%	16V
C2975	1-163-001-11	CERAMIC CHIP	220PF	10%	50V

CONNECTOR

CN2941*	1-564-508-11	PLUG, CONNECTOR 5P

DIODE

D2941	8-719-991-33	DIODE 1SS133T-77
D2946	8-719-110-88	DIODE RD39ESB2
D2947	8-719-110-88	DIODE RD39ESB2

COIL

L2942	1-215-863-11	METAL OXIDE	100	5%	1W F

TRANSISTOR

Q2943	8-729-422-27	TRANSISTOR 2SD601A-Q
Q2944	8-729-422-27	TRANSISTOR 2SD601A-Q
Q2945	8-729-422-27	TRANSISTOR 2SD601A-Q
Q2946	8-729-017-05	TRANSISTOR 2SA1837
Q2947	8-729-017-06	TRANSISTOR 2SC4793
Q2965	8-729-422-27	TRANSISTOR 2SD601A-Q
Q2966	8-729-216-22	TRANSISTOR 2SA1162-G

RESISTOR

R2943	1-216-025-91	METAL GLAZE	100	5%	1/10W
R2948	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R2949	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R2950	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R2951	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R2952	1-216-037-00	METAL GLAZE	330	5%	1/10W
R2953	1-216-021-00	METAL GLAZE	68	5%	1/10W
R2954	1-216-033-00	METAL GLAZE	220	5%	1/10W
R2955	1-216-047-91	METAL GLAZE	820	5%	1/10W
R2956	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R2957	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R2958	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R2959	1-216-021-00	METAL GLAZE	68	5%	1/10W
R2979	1-216-017-91	METAL GLAZE	47	5%	1/10W
R4941	1-260-311-11	CARBON	39	5%	1/2W
R4942	1-249-384-11	CARBON	1.8	5%	1/4W F
R4943	1-249-414-11	CARBON	560	5%	1/4W F
R4944	1-249-432-11	CARBON	18K	5%	1/4W
R4945	1-216-476-11	METAL OXIDE	180	5%	3W F
R4946	1-249-417-11	CARBON	1K	5%	1/4W F
R4947	1-249-432-11	CARBON	18K	5%	1/4W
R4948	1-249-414-11	CARBON	560	5%	1/4W

HV **K**

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION			REMARK
R4949	1-249-384-11	CARBON	1.8	5%	1/4W F
R4950	1-249-400-11	CARBON	39	5%	1/4W F

HV

* A-1372-337-A HV BOARD, COMPLETE (KV-27V26/29V22M/29V66M)

* A-1372-346-A HV BOARD, COMPLETE (KV-27V36/29V36C/29V76M)

CAPACITOR

C2068	1-104-665-11	ELECT	100MF	20%	25V
C2070	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C2071	1-126-959-11	ELECT	0.47MF	20%	50V
			(KV-27V36/29V36C/29V76M)		
C2233	1-136-161-00	FILM	0.047MF	5%	50V
C2234	1-126-960-11	ELECT	1MF	20%	50V
C2235	1-126-960-11	ELECT	1MF	20%	50V
C2236	1-126-933-11	ELECT	100MF	20%	16V

CONNECTOR

CN2001	1-564-524-11	PLUG, CONNECTOR 9P
CN2002*	1-564-518-11	PLUG, CONNECTOR 3P (KV-27V36/29V36C/29V76M)
CN2231	1-564-523-11	PLUG, CONNECTOR 8P

DIODE

D2006	1-810-039-11	LED UNIT
D2236	8-719-110-17	DIODE RD10ESB2

IC

IC2003	8-742-014-10	HYB IC SBX1981-51
IC2004	8-749-012-12	IC IS474

JACK

J2231	1-691-110-11	JACK, PIN 3P

TRANSISTOR

Q2008	8-729-216-22	TRANSISTOR 2SA1162-G
Q2009	8-729-422-27	TRANSISTOR 2SD601A-Q

RESISTOR

R2009	1-216-033-00	METAL GLAZE	220	5%	1/10W
R2010	1-216-033-00	METAL GLAZE	220	5%	1/10W
R2011	1-216-025-91	METAL GLAZE	100	5%	1/10W
R2012	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R2013	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R2014	1-216-033-00	METAL GLAZE	220	5%	1/10W
R2015	1-247-807-31	CARBON	100	5%	1/4W
R2016	1-216-133-00	METAL GLAZE	3.3M	5%	1/10W
R2059	1-216-047-91	METAL GLAZE	820	5%	1/10W (KV-27V26/29V22MM/29V66M)
R2060	1-216-049-91	METAL GLAZE	1K	5%	1/10W (KV-27V26/29V22MM/29V66M)
R2061	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W (KV-27V26/29V22MM/29V66M)
R2062	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W (KV-27V26/29V22MM/29V66M)
R2063	1-216-073-00	METAL GLAZE	10K	5%	1/10W (KV-27V26/29V22MM/29V66M)
R2235	1-216-022-00	METAL GLAZE	75	5%	1/10W
R2236	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R2237	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R2238	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R2239	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W

SWITCH

S2001	1-692-431-21	SWITCH, TACTILE (KV-27V26/29V22MM/29V66M)
S2002	1-692-431-21	SWITCH, TACTILE (KV-27V26/29V22MM/29V66M)
S2003	1-692-431-21	SWITCH, TACTILE (KV-27V26/29V22MM/29V66M)
S2004	1-692-431-21	SWITCH, TACTILE (KV-27V26/29V22MM/29V66M)
S2005	1-692-431-21	SWITCH, TACTILE (KV-27V26/29V22MM/29V66M)
S2006	1-692-431-21	SWITCH, TACTILE (KV-27V26/29V22MM/29V66M)
S2007	1-692-431-21	SWITCH, TACTILE (KV-27V26/29V22MM/29V66M)

K

* A-1380-518-A K BOARD, MOUNTED (KV-27V36/29V36C/29V76M)

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C1462	1-126-961-11	ELECT	2.2MF	20%	50V
C1463	1-126-961-11	ELECT	2.2MF	20%	50V
C1464	1-126-969-11	ELECT	220MF	20%	50V
C1465	1-104-664-11	ELECT	47MF	20%	25V
C1466	1-126-969-11	ELECT	220MF	20%	50V
C1467	1-126-961-11	ELECT	2.2MF	20%	50V
C1469	1-136-173-00	FILM	0.47MF	5%	50V
C1470	1-136-169-00	FILM	0.22MF	5%	50V
C1471	1-136-169-00	FILM	0.22MF	5%	50V
C1472	1-128-548-11	ELECT	4700MF	20%	25V
C1473	1-126-943-11	ELECT	2200MF	20%	25V
C1474	1-126-943-11	ELECT	2200MF	20%	25V
C1475	1-128-548-11	ELECT	4700MF	20%	25V
C1476	1-124-564-11	ELECT	4700MF	20%	25V

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note:

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K SC UV

REF.NO.	PART NO.	DESCRIPTION			REMARK
		CONNECTOR			
CN1461*	1-564-510-11	PLUG, CONNECTOR 7P			
CN1462*	1-564-507-11	PLUG, CONNECTOR 4P			
		IC			
IC1461	8-759-980-43	IC TDA2009A			
		IC LINK			
PS1461 ⚠	1-532-984-11	LINK, IC 2A/90V			
		TRANSISTOR			
Q1461	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1462	8-729-216-22	TRANSISTOR 2SA1162-G			
		RESISTOR			
R1461	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R1462	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1463	1-249-435-11	CARBON	33K	5%	1/4W
R1464	1-208-775-11	METAL GLAZE	510	0.50%	1/10W
R1465	1-216-011-00	METAL GLAZE	27	5%	1/10W
R1467	1-216-011-00	METAL GLAZE	27	5%	1/10W
R1468	1-208-775-11	METAL GLAZE	510	0.50%	1/10W
R1469	1-216-011-00	METAL GLAZE	27	5%	1/10W
R1471	1-216-011-00	METAL GLAZE	27	5%	1/10W
R1472	1-249-418-11	CARBON	1.2K	5%	1/4W F
R1473	1-249-413-11	CARBON	470	5%	1/4W
R1474	1-249-441-11	CARBON	100K	5%	1/4W
R1475	1-249-430-11	CARBON	12K	5%	1/4W
R1476	1-249-430-11	CARBON	12K	5%	1/4W
R1477	1-249-385-11	CARBON	2.2	5%	1/4W F
R1478	1-249-418-11	CARBON	1.2K	5%	1/4W F
R1479	1-249-385-11	CARBON	2.2	5%	1/4W F
R1480	1-249-421-11	CARBON	2.2K	5%	1/4W
R1481	1-249-421-11	CARBON	2.2K	5%	1/4W
R1482	1-249-421-11	CARBON	2.2K	5%	1/4W
R1483	1-249-421-11	CARBON	2.2K	5%	1/4W

SC

*** A-1390-585-A SC BOARD, MOUNTED (EXCEPT KV-29V22M)**

REF.NO.	PART NO.	DESCRIPTION			REMARK
		CONNECTOR			
CN104	1-573-978-21	CONNECTOR, BOARD TO BOARD 11P			
CN105	1-573-978-21	CONNECTOR, BOARD TO BOARD 11P			

UV

*** A-1394-856-A UV BOARD, COMPLETE (KV-29V22M)**
*** A-1394-857-A UV BOARD, COMPLETE (KV-27V26/29V66M)**
*** A-1394-859-A UV BOARD, COMPLETE (KV-27V36/29V36C/29V76M)**

REF.NO.	PART NO.	DESCRIPTION			REMARK
		CAPACITOR			
C151	1-126-960-11	ELECT	1MF	20%	50V
C152	1-126-960-11	ELECT	1MF	20%	50V
C153	1-164-489-11	CERAMIC CHIP	0.22MF	10%	16V
C154	1-164-489-11	CERAMIC CHIP	0.22MF	10%	16V
C156	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C157	1-163-123-00	CERAMIC CHIP	180PF	5%	50V
C158	1-163-034-00	CERAMIC CHIP	0.033MF		50V
C159	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C160	1-126-959-11	ELECT	0.47MF	20%	50V
C161	1-126-960-11	ELECT	1MF	20%	50V
C162	1-126-960-11	ELECT	1MF	20%	50V
C163	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C164	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C165	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C166	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C167	1-126-933-11	ELECT	100MF	20%	16V
C168	1-126-964-11	ELECT	10MF	20%	50V
C170	1-163-123-00	CERAMIC CHIP	180PF	5%	50V
C231	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C232	1-136-161-00	FILM	0.047MF	5%	50V
C233	1-136-161-00	FILM	0.047MF	5%	50V
C234	1-126-960-11	ELECT	1MF	20%	50V
C235	1-126-960-11	ELECT	1MF	20%	50V
C236	1-136-161-00	FILM	0.047MF	5%	50V (KV-27V26/27V36/29V36/29V66M/29V76M)
C237	1-126-960-11	ELECT	1MF	20%	50V (KV-27V26/27V36/29V36/29V66M/29V76M)
C238	1-126-960-11	ELECT	1MF	20%	50V (KV-27V26/27V36/29V36/29V66M/29V76M)
C241	1-126-941-11	ELECT	470MF	20%	25V
C242	1-126-959-11	ELECT	0.47MF	20%	50V
C244	1-126-959-11	ELECT	0.47MF	20%	50V
C245	1-126-941-11	ELECT	470MF	20%	25V (KV-27V36/29V36C/29V76M)
C246	1-126-959-11	ELECT	0.47MF	20%	50V (KV-27V36/29V36C/29V76M)
C247	1-126-959-11	ELECT	0.47MF	20%	50V (KV-27V36/29V36C/29V76M)
C261	1-136-161-00	FILM	0.047MF	5%	50V (KV-27V36/29V36C/29V76M)
C262	1-104-664-11	ELECT	47MF	20%	25V
C263	1-136-161-00	FILM	0.047MF	5%	50V

UV

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REF.NO.	PART NO.	DESCRIPTION	REMARK
C264	1-126-941-11	ELECT 470MF 20% 25V	(KV-27V26/27V36/29V36C/29V66M/29V76M)
C264	1-126-933-11	ELECT 100MF 20% 16V	(KV-29V22M)
C265	1-104-664-11	ELECT 47MF 20% 25V	(KV-27V26/27V36/29V36C/29V66M/29V76M)
C265	1-107-701-11	ELECT 47MF 20% 16V	(KV-29V22M)
C266	1-126-960-11	ELECT 1MF 20% 50V	(KV-27V36/29V36C/29V76M)
C267	1-126-960-11	ELECT 1MF 20% 50V	(KV-27V36/29V36C/29V76M)
C270	1-126-960-11	ELECT 1MF 20% 50V	
C271	1-126-960-11	ELECT 1MF 20% 50V	
C273	1-136-165-00	FILM 0.1MF 5% 50V	
C274	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C275	1-104-664-11	ELECT 47MF 20% 25V	
C276	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C301	1-126-933-11	ELECT 100MF 20% 16V	(KV-29V22M)
C301	1-126-935-11	ELECT 470MF 20% 16V	(KV-27V26/27V36/29V36C/29V66M/29V76M)

FILTER BLOCK

CM301	1-473-548-11	FILTER BLOCK, COMB	(KV-29V22M)
CM301	1-467-554-21	FILTER BLOCK, COMB	(KV-27V26/27V36/29V36C/29V66M/29V76M)

CONNECTOR

CN261	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P	(KV-27V26/27V36/29V36C/29V66M/29V76M)
CN262	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P	
CN263 *	1-564-506-11	PLUG, CONNECTOR 3P	(KV-27V26/27V36/29V36C/29V66M/29V76M)
CN264	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P	

DIODE

D231	8-719-110-17	DIODE RD10ESB2	
D232	8-719-110-17	DIODE RD10ESB2	
D233	8-719-110-17	DIODE RD10ESB2	
D234	8-719-110-17	DIODE RD10ESB2	
D235	8-719-110-17	DIODE RD10ESB2	
D236	8-719-110-17	DIODE RD10ESB2	
D237	8-719-981-99	DIODE MTZJ-T-77-3.3	
D238	8-719-981-99	DIODE MTZJ-T-77-3.3	
D239	8-719-981-99	DIODE MTZJ-T-77-3.3	(KV-27V36/29V36C/29V76M)
D240	8-719-110-17	DIODE RD10ESB2	(KV-27V26/27V36/29V36C/29V66M/29V76M)
D241	8-719-110-17	DIODE RD10ESB2	(KV-27V26/27V36/29V36C/29V66M/29V76M)
D242	8-719-110-17	DIODE RD10ESB2	(KV-27V26/27V36/29V36C/29V66M/29V76M)
D243	8-719-110-17	DIODE RD10ESB2	
D244	8-719-110-17	DIODE RD10ESB2	
D245	8-719-981-99	DIODE MTZJ-T-77-3.3	(KV-27V36/29V36C/29V76M)
D246	8-719-981-99	DIODE MTZJ-T-77-3.3	(KV-27V36/29V36C/29V76M)
D264	8-719-110-17	DIODE RD10ESB2	
D265	8-719-110-17	DIODE RD10ESB2	
D902	8-719-921-54	DIODE MTZJ-6.2B	(KV-27V26/27V36/29V36C/29V66M/29V76M)

IC

IC151	8-759-700-44	IC NJM2902M	
IC152	8-759-700-44	IC NJM2902M	
IC153	8-759-100-96	IC UPC4558G2	
IC154	8-759-068-07	IC CD4052BCN	
IC261	8-759-366-78	IC MM1313AD	

JACK

J231	1-750-515-11	TERMINAL BLOCK, S 3P	
J232	1-750-517-11	JACK BLOCK, PIN 3P	(KV-27V26/27V36/29V36C/29V66M/29V76M)
J233	1-750-516-11	JACK BLOCK, PIN 2P	
J234	1-750-517-11	JACK BLOCK, PIN 3P	
J235	1-750-517-11	JACK BLOCK, PIN 3P	(KV-27V36/29V36C/29V76M)
J902	1-764-143-11	JACK 3P	(KV-27V26/27V36/29V36C/29V66M/29V76M)
J903	1-764-143-11	JACK 3P	(KV-27V26/27V36/29V36C/29V66M/29V76M)
J904	1-764-143-11	JACK 3P	(KV-27V26/27V36/29V36C/29V66M/29V76M)

CHIP CONDUCTOR

JR151	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR152	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR201	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR204	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR205	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR206	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR208	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR209	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR210	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR211	1-216-295-91	CONDUCTOR, CHIP	(2012
JR212	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR213	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR214	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR215	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR216	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR217	1-216-295-91	CONDUCTOR, CHIP	(2012)
JR218	1-216-295-91	CONDUCTOR, CHIP	(2012)

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UV

REF.NO.	PART NO.	DESCRIPTION			REMARK
JR219	1-216-295-91	CONDUCTOR, CHIP	(2012)		
JR220	1-216-295-91	CONDUCTOR, CHIP	(2012)		
JR221	1-216-295-91	CONDUCTOR, CHIP	(2012)		
JR222	1-216-295-91	CONDUCTOR, CHIP	(2012)		
JR223	1-216-295-91	CONDUCTOR, CHIP	(2012)		
JR226	1-216-295-91	CONDUCTOR, CHIP	(2012)		
JR228	1-216-295-91	CONDUCTOR, CHIP	(2012)		
JR233	1-216-295-91	CONDUCTOR, CHIP	(2012)		(KV-29V22M)
	JUMPER				
JW226	1-249-389-11	CARBON	4.7	5% 1/4W	
JW240	1-249-385-11	CARBON	2.2	5% 1/4W	
	TRANSISTOR				
Q231	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q232	8-729-422-27	TRANSISTOR 2SD601A-Q			(KV-27V36/29V36C/29V76M)
Q233	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q234	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q235	8-729-422-27	TRANSISTOR 2SD601A-Q			(KV-27V36/29V36C/29V76M)
Q236	8-729-422-27	TRANSISTOR 2SD601A-Q			(KV-27V36/29V36C/29V76M)
Q237	8-729-216-22	TRANSISTOR 2SA1162-G			
Q238	8-729-216-22	TRANSISTOR 2SA1162-G			
Q239	8-729-216-22	TRANSISTOR 2SA1162-G			
Q240	8-729-216-22	TRANSISTOR 2SA1162-G			(KV-27V36/29V36C/29V76M)
Q241	8-729-216-22	TRANSISTOR 2SA1162-G			(KV-27V36/29V36C/29V76M)
Q242	8-729-216-22	TRANSISTOR 2SA1162-G			(KV-27V36/29V36C/29V76M)
Q243	8-729-216-22	TRANSISTOR 2SA1162-G			
Q261	8-729-422-27	TRANSISTOR 2SD601A-Q			(KV-27V36/29V36C/29V76M)
Q262	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q263	8-729-216-22	TRANSISTOR 2SA1162-G			
Q265	8-729-216-22	TRANSISTOR 2SA1162-G			
	RESISTOR				
R151	1-216-085-00	METAL GLAZE	33K	5% 1/10W	
R152	1-216-075-00	METAL GLAZE	12K	5% 1/10W	
R153	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R154	1-216-085-00	METAL GLAZE	33K	5% 1/10W	
R155	1-216-075-00	METAL GLAZE	12K	5% 1/10W	
R156	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R157	1-216-079-00	METAL GLAZE	18K	5% 1/10W	
R158	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R159	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R160	1-216-079-00	METAL GLAZE	18K	5% 1/10W	
R161	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R162	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R163	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R164	1-216-065-00	METAL GLAZE	4.7K	5% 1/10W	
R165	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R166	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R167	1-216-065-00	METAL GLAZE	4.7K	5% 1/10W	
R168	1-216-077-00	METAL GLAZE	15K	5% 1/10W	
R169	1-216-099-00	METAL GLAZE	120K	5% 1/10W	
R170	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R171	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R172	1-216-057-00	METAL GLAZE	2.2K	5% 1/10W	
R173	1-216-065-00	METAL GLAZE	4.7K	5% 1/10W	
R174	1-216-081-00	METAL GLAZE	22K	5% 1/10W	
R175	1-216-081-00	METAL GLAZE	22K	5% 1/10W	
R176	1-216-081-00	METAL GLAZE	22K	5% 1/10W	
R177	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R178	1-216-065-00	METAL GLAZE	4.7K	5% 1/10W	
R179	1-216-065-00	METAL GLAZE	4.7K	5% 1/10W	
R180	1-216-099-00	METAL GLAZE	120K	5% 1/10W	
R181	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R183	1-216-081-00	METAL GLAZE	22K	5% 1/10W	
R184	1-216-081-00	METAL GLAZE	22K	5% 1/10W	
R185	1-216-081-00	METAL GLAZE	22K	5% 1/10W	
R186	1-216-089-91	METAL GLAZE	47K	5% 1/10W	
R187	1-216-099-00	METAL GLAZE	120K	5% 1/10W	
R188	1-216-097-91	METAL GLAZE	100K	5% 1/10W	
R189	1-216-097-91	METAL GLAZE	100K	5% 1/10W	
R190	1-216-081-00	METAL GLAZE	22K	5% 1/10W	
R191	1-216-089-91	METAL GLAZE	47K	5% 1/10W	
R192	1-216-063-91	METAL GLAZE	3.9K	5% 1/10W	
R193	1-216-075-00	METAL GLAZE	12K	5% 1/10W	
R194	1-216-099-00	METAL GLAZE	120K	5% 1/10W	
R195	1-216-097-91	METAL GLAZE	100K	5% 1/10W	
R196	1-216-089-91	METAL GLAZE	47K	5% 1/10W	
R197	1-216-097-91	METAL GLAZE	100K	5% 1/10W	
R198	1-216-081-00	METAL GLAZE	22K	5% 1/10W	
R199	1-216-089-91	METAL GLAZE	47K	5% 1/10W	
R200	1-216-081-00	METAL GLAZE	22K	5% 1/10W	
R201	1-216-065-00	METAL GLAZE	4.7K	5% 1/10W	
R202	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R203	1-216-069-00	METAL GLAZE	6.8K	5% 1/10W	
R204	1-216-069-00	METAL GLAZE	6.8K	5% 1/10W	
R206	1-216-049-91	METAL GLAZE	1K	5% 1/10W	(KV-27V36/29V36C/29V76M)
R207	1-216-295-91	CONDUCTOR, CHIP	(2012)		(KV-27V36/29V36C/29V76M)
R208	1-216-049-91	METAL GLAZE	1K	5% 1/10W	(KV-27V36/29V36C/29V76M)

UV

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Note: Les composants identifies per un trame et une marque ⚠ sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION	REMARK
R209	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W (KV-27V36/29V36C/29V76M)
R210	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W (KV-27V36/29V36C/29V76M)
R212	1-249-440-11	CARBON	82K 5% 1/4W
R213	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R214	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R215	1-249-413-11	CARBON	470 5% 1/4W
R216	1-216-025-91	METAL GLAZE	100 5% 1/10W
R217	1-216-025-91	METAL GLAZE	100 5% 1/10W
R218	1-216-025-91	METAL GLAZE	100 5% 1/10W
R219	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W (KV-27V36/29V36C/29V76M)
R220	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W (KV-27V36/29V36C/29V76M)
R221	1-249-413-11	CARBON	470 5% 1/4W (KV-27V36/29V36C/29V76M)
R222	1-216-025-91	METAL GLAZE	100 5% 1/10W (KV-27V36/29V36C/29V76M)
R223	1-216-025-91	METAL GLAZE	100 5% 1/10W (KV-27V36/29V36C/29V76M)
R224	1-216-025-91	METAL GLAZE	100 5% 1/10W (KV-27V36/29V36C/29V76M)
R225	1-247-815-91	CARBON	220 5% 1/4W
R226	1-247-815-91	CARBON	220 5% 1/4W
R227	1-249-440-11	CARBON	82K 5% 1/4W
R228	1-216-033-00	METAL GLAZE	220 5% 1/10W
R229	1-216-025-91	METAL GLAZE	100 5% 1/10W
R230	1-216-033-00	METAL GLAZE	220 5% 1/10W
R231	1-216-022-00	METAL GLAZE	75 5% 1/10W
R232	1-216-022-00	METAL GLAZE	75 5% 1/10W
R233	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R234	1-216-022-00	METAL GLAZE	75 5% 1/10W
R235	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R236	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R237	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R238	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R239	1-216-022-00	METAL GLAZE	75 5% 1/10W (KV-27V26/27V36/29V36C/29V66M/29V76M)
R240	1-216-113-00	METAL GLAZE	470K 5% 1/10W (KV-27V26/27V36/29V36C/29V66M/29V76M)
R241	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W (KV-27V26/27V36/29V36C/29V66M/29V76M)
R242	1-216-113-00	METAL GLAZE	470K 5% 1/10W (KV-27V26/27V36/29V36C/29V66M/29V76M)
R243	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W (KV-27V26/27V36/29V36C/29V66M/29V76M)
R244	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R245	1-249-417-11	CARBON	1K 5% 1/4W
R246	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R247	1-249-417-11	CARBON	1K 5% 1/4W
R248	1-216-021-00	METAL GLAZE	68 5% 1/10W
R249	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R250	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R251	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R252	1-216-019-00	METAL GLAZE	56 5% 1/10W (KV-27V36/29V36C/29V76M)
R253	1-216-113-00	METAL GLAZE	470K 5% 1/10W (KV-27V36/29V36C/29V76M)
R254	1-216-113-00	METAL GLAZE	470K 5% 1/10W (KV-27V36/29V36C/29V76M)
R255	1-216-113-00	METAL GLAZE	470K 5% 1/10W (KV-27V36/29V36C/29V76M)
R256	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R258	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W (KV-27V36/29V36C/29V76M)
R259	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R260	1-247-807-31	CARBON	100 5% 1/4W
R264	1-247-815-91	CARBON	220 5% 1/4W
R265	1-247-815-91	CARBON	220 5% 1/4W
R266	1-216-043-91	METAL GLAZE	560 5% 1/10W (KV-27V36/29V36C/29V76M)
R267	1-249-415-11	CARBON	680 5% 1/4W (KV-27V36/29V36C/29V76M)
R268	1-216-025-91	METAL GLAZE	100 5% 1/10W
R269	1-216-025-91	METAL GLAZE	100 5% 1/10W
R270	1-216-041-00	METAL GLAZE	470 5% 1/10W
R271	1-249-415-11	CARBON	680 5% 1/4W
R272	1-249-417-11	CARBON	1K 5% 1/4W
R274	1-249-413-11	CARBON	470 5% 1/4W
R275	1-249-425-11	CARBON	4.7K 5% 1/4W (KV-27V36/29V36C/29V76M)
R276	1-249-425-11	CARBON	4.7K 5% 1/4W (KV-27V36/29V36C/29V76M)
R277	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R278	1-249-413-11	CARBON	470 5% 1/4W (KV-27V36/29V36C/29V76M)
R279	1-216-025-91	METAL GLAZE	100 5% 1/10W
R280	1-216-033-00	METAL GLAZE	220 5% 1/10W
R281	1-216-033-00	METAL GLAZE	220 5% 1/10W (KV-27V26/27V36/29V36C/29V66M/29V76M)
R282	1-216-025-91	METAL GLAZE	100 5% 1/10W
R283	1-216-025-91	METAL GLAZE	100 5% 1/10W
R284	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R285	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R286	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R288	1-247-815-91	CARBON	220 5% 1/4W
R289	1-247-815-91	CARBON	220 5% 1/4W
R290	1-247-815-91	CARBON	220 5% 1/4W
R291	1-216-025-91	METAL GLAZE	100 5% 1/10W (KV-27V26/27V36/29V36C/29V66M/29V76M)

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifies per un trame et une marque ⚠ sont critiques pout la securite. Ne les remplacer que par une piece portant le numero specifie.

UV

REF.NO.	PART NO.	DESCRIPTION			REMARK
R292	1-216-025-91	METAL GLAZE	100	5%	1/10W (KV-29V22M)
R293	1-216-025-91	METAL GLAZE	100	5%	1/10W (KV-27V26/27V36/29V36C/29V66M/29V76M)
R294	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R301	1-249-417-11	CARBON	1K	5%	1/4W
R304	1-249-417-11	CARBON	1K	5%	1/4W
R902	1-249-405-11	CARBON	100	5%	1/4W F (KV-27V26/27V36/29V36C/29V66M/29V76M)
R919	1-216-295-91	CONDUCTOR, CHIP	(2012)		(KV-27V26/27V36/29V36C/29V66M/29V76M)
R920	1-249-405-11	CARBON	100	5%	1/4W F (KV-27V26/27V36/29V36C/29V66M/29V76M)
R921	1-249-405-11	CARBON	100	5%	1/4W F (KV-27V26/27V36/29V36C/29V66M/29V76M)
R922	1-216-049-91	METAL GLAZE	1K	5%	1/10W (KV-27V26/27V36/29V36C/29V66M/29V76M)
R923	1-216-049-91	METAL GLAZE	1K	5%	1/10W (KV-27V26/27V36/29V36C/29V66M/29V76M)
R924	1-216-049-91	METAL GLAZE	1K	5%	1/10W (KV-27V26/27V36/29V36C/29V66M/29V76M)
R925	1-215-433-00	METAL	3.3K	1%	1/4W (KV-27V26/27V36/29V36C/29V66M/29V76M)
R926	1-215-433-00	METAL	3.3K	1%	1/4W (KV-27V26/27V36/29V36C/29V66M/29V76M)
R1151	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R1152	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1153	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1154	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1155	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1156	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1157	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R1158	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R1159	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R1160	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R1161	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R1164	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1165	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1166	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1167	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1168	1-216-049-91	METAL GLAZE	1K	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
		MISCELLANEOUS	
⚠	1-406-726-81	COIL DEMAGNETIC (KV-29V36C)	
⚠	1-411-899-11	COIL DEMAGNETIC (except KV-29V36C)	
	1-452-032-00	MAGNET, DISC	
⚠	1-452-509-41	NECK ASSY, CRT (NA-308)	(KV-27V36/29V36C/29V76M)
	1-473-549-11	SWITCH BLOCK, CONTROL	(KV-27V36/29V36C/29V76M)
*	1-557-056-31	CABLE, P-P (KV-27V36/29V36C/29V76M)	
*	1-556-945-21	CABLE, P-P (KV-27V36/29V36C/29V76M)	
⚠	1-751-059-11	CORD POWER (WITH CONNECTOR)	(except KV-29V36C)
⚠	1-769-796-41	CORD POWER (WITH CONNECTOR) (KV-29V36C)	
	1-766-374-11	PLUG, F-PIN (KV-27V26/29V22M/29V66M)	
⚠	8-451-275-42	DEFLECTION YOKE (Y28PFA)	
*	4-052-905-01	V5/6 BRACKET (KV-27V36/29V36C/29V76M)	
	8-598-414-00	SWITCH, ANTENNA AS-2F (KV-27V36/29V36C/29V76M)	
⚠	8-733-848-05	CRT29PXD (SD-268/ECR) A68KZJ50X	(KV-27V26/27V36/29V76M/29V22M/29V66M)
⚠	8-733-849-05	CRT20PXD (SD-268) A68KZJ50X (KV-29V36C)	
⚠	1-453-207-11	TRANSFORMER ASSY, FLYBACK (NX-2609//X4C)	
		ACCESSORIES AND PACKING MATERIALS	
	3-859-518-21	MANUAL, INSTRUCTION (KV-27V26/27V36(US))	
	3-859-518-31	MANUAL, INSTRUCTION (KV-27V36 (CND))	
	3-859-518-41	MANUAL, INSTRUCTION	(KV-29V22M/29V36M/29V66M/29V76M)
*	4-049-757-11	BAG, PROTECTION	
*	4-054-059-01	CUSHION (UPPER) (ASSY)	
*	4-054-062-01	CUSHION (LOWER) (ASSY)	
*	4-054-065-01	INDIVIDUAL CARTON (KV-27V26/27V36)	
*	4-054-066-01	INDIVIDUAL CARTON	(KV-29V22M/29V36C/29V66M/29V76M)
		REMOTE COMMANDER	
	1-473-748-31	REMOTE COMMANDER (RM-Y135A)	(KV-29V22M only)
	1-473-750-41	REMOTE COMMANDER (RM-Y137A)	(except KV-29V22M)
	4-978-977-01	LID, BATTERY COVER (for RM-Y135A/Y137A)	

NOTES:

NOTES:

9-965-832-01

Sony Corporation
Sony Technology Center
Product Quality Division
Service Promotion Department

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